11/54

STA-KON

Pressure

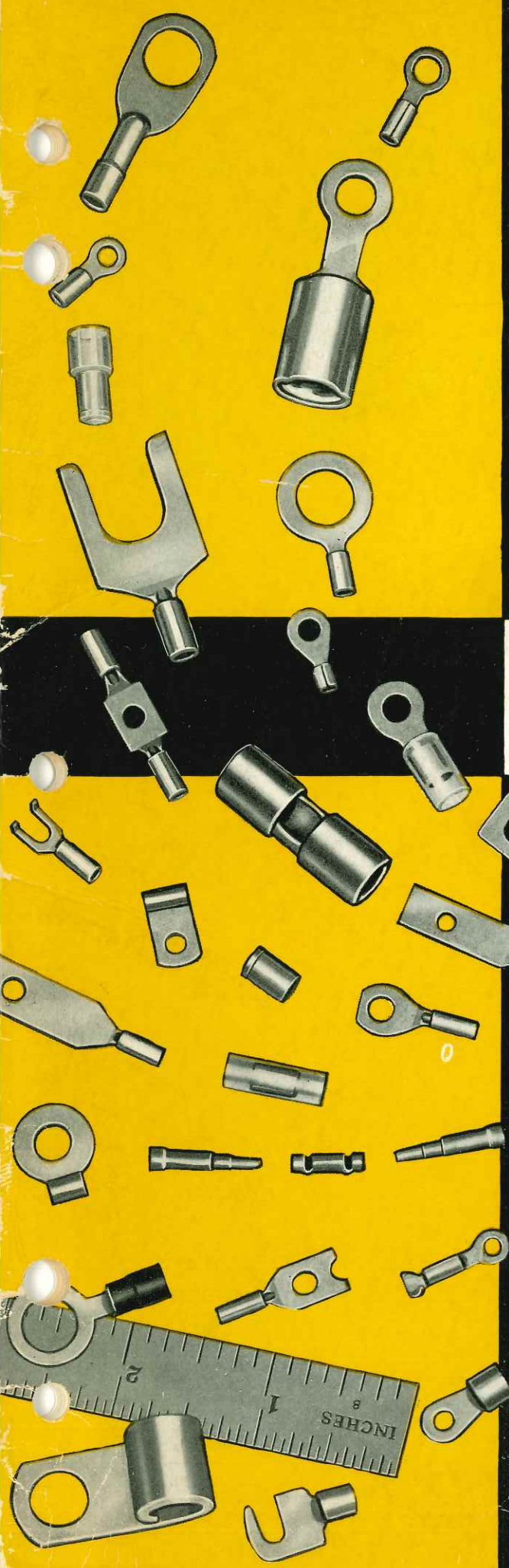
TERMINALS

and

CONNECTORS

For Military Applications

See Bulletin 62
for Complete Commercial Listings



T&B

ENGINEERED

BULLETIN 63

THE THOMAS & BETTS CO.
INCORPORATED
ELIZABETH 1, NEW JERSEY

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THE THOMAS & BETTS CO.

Incorporated

Main Office and Factory **Elizabeth 1, N. J.**

In CANADA: THOMAS & BETTS, LTD., Montreal

STA-KON®
Pressure
TERMINALS
and
CONNECTORS*

For Military Applications

(See Bulletin 62 for Complete Commercial Listings.)

Terminals in this catalog meet applicable requirements of

Department of the Army

Engineers
Ordnance
Signal Corps

Department of the Navy

Bureau of Ships
Bureau of Ordnance
Bureau of Yards and Docks
Bureau of Aeronautics

Department of the Air Force

November 1954

T&B ENGINEERED

THE THOMAS & BETTS CO.
INCORPORATED
ELIZABETH 1, NEW JERSEY

*Patented

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T&B ENGINEERED

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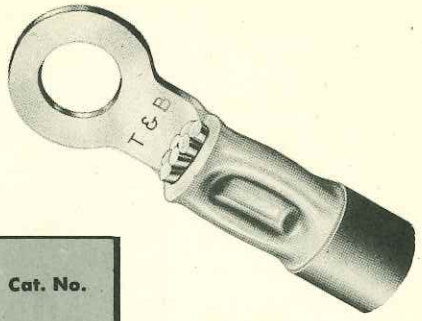
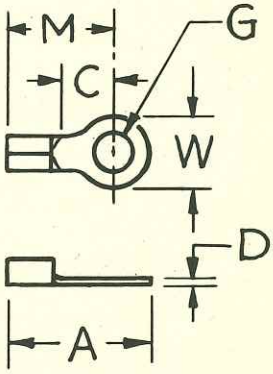
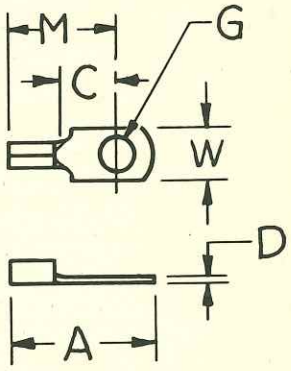


Wire Range	Stud Size G	DIMENSIONS A Max.	W Max.	C Min.	D	M Max.	Cat. No.
MIL-W - 5086 AN-22—AN-18 Any wire from .025" to .052" Diameter	4	.61	.20	.22	.03	.51	*A 88
	4	.73	.25	.28	.03	.57	*A 20
	4	.73	.31	.28	.03	.57	A 7
	6	.67	.25	.26	.03	.55	A 122
	6	.68	.25	.26	.03	.55	A 85
	6	.73	.25	.28	.03	.57	*A 93
	8	.73	.25	.28	.03	.57	*A 94
	8	.73	.31	.28	.03	.57	A 86
	8	.74	.33	.29	.03	.58	A 123
	10	.73	.31	.28	.03	.57	A 87
	10	.74	.33	.29	.03	.58	A 124
	1/4	.92	.50	.37	.03	.67	A 71
	1/4	.92	.50	.38	.03	.67	A 126
	5/16	.92	.50	.37	.03	.67	A 72
	3/8	1.02	.66	.40	.03	.69	A 73
	7/16	1.40	.72	.64	.03	1.04	A 74
	1/2	1.40	.72	.64	.03	1.04	A 75
	5/8	1.50	.83	.73	.03	1.09	A 177
	3/4	1.60	.99	.76	.03	1.12	A 178
MIL-W - 5086 AN-16 , AN-14 Any wire from .032" to .080" Diameter	4	.61	.25	.19	.03	.48	B 132
	4	.73	.25	.28	.03	.57	B 20
	4	.73	.20	.17	.03	.58	*B 21
	.125	1.25	.28	.67	.03	1.11	*B 11
	6	.61	.25	.19	.03	.48	B 133
	6	.73	.25	.28	.03	.57	*B 93
	6	.73	.31	.28	.03	.57	B 85
	6	.73	.31	.28	.03	.57	B 122
	8	.73	.25	.28	.03	.57	*B 94
	8	.73	.31	.28	.03	.57	B 86
	8	.73	.31	.28	.03	.57	B 123
	10	.73	.31	.28	.03	.57	B 87
	10	.76	.38	.28	.03	.57	B 34
	10	.73	.31	.28	.03	.57	B 124
	10	.76	.38	.28	.03	.57	B 125
	1/4	.93	.50	.38	.03	.68	B 71
	1/4	.93	.50	.38	.03	.68	B 126
	5/16	.93	.50	.38	.03	.68	B 72
	3/8	1.03	.66	.41	.03	.70	B 73
	7/16	1.06	.72	.44	.03	.70	B 74
	1/2	1.10	.75	.46	.03	.73	B 75
	5/8	1.50	.83	.73	.03	1.09	B 177
	3/4	1.60	.99	.76	.03	1.12	B 178

D through M sizes are available with 5/8" and 3/4" stud holes.



Ring Tongue



* Round End

A, B, and C size terminals may be installed with WT110M, WT111M, WT160, or WT130 Hand Tools or various air and hydraulic power tools.

D, E, and F size terminals may be installed with WT115 or WT149 Hand Tools or 21072 Bench Tool.

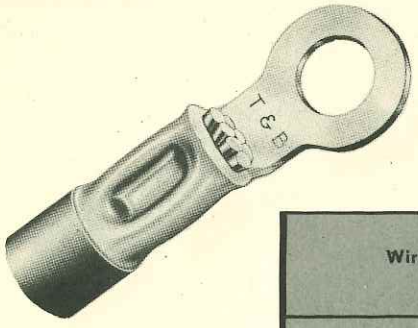
G through M size terminals may be installed with WT127G-M Ratchet Tool, 21073 Bench Air Tool, or 11031 Portable Hydraulic Assembly.

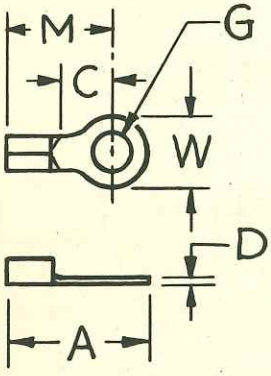
Complete tool listing, pages 24-27.

STA-KON TERMINALS

For Aircraft Cables

T&B ENGINEERED





Wire Range	Stud Size G	DIMENSIONS A Max.	W Max.	C Min.	D	M Max.	Cat. No.	AN Part No.
MIL-W-5086 AN-12, AN-10 Any wire from .051" to .125" Diameter	6	.79	.31	.27	.04	.63	C 33	
	6	.70	.31	.28	.04	.63	C 122	
	8	.79	.31	.27	.04	.63	C 77	
	8	.79	.31	.28	.04	.63	C 123	
	8	.82	.38	.27	.04	.63	C 7	
	10	.79	.31	.27	.04	.63	C 36	
	10	.79	.31	.28	.04	.63	C 124	
	10	.82	.38	.27	.04	.63	C 26	AN-659-5
	.201	.82	.38	.27	.04	.63	C 14	
	10	.82	.38	.28	.04	.63	C 125	
	1/4	.98	.50	.37	.04	.73	C 71	
	1/4	.98	.50	.38	.04	.73	C 126	
	5/16	.98	.50	.37	.04	.73	C 70	AN-659-6
	5/16	1.10	.59	.44	.04	.80	C 72	
	3/8	1.10	.59	.44	.04	.80	C 73	AN-659-28
	7/16	1.45	.81	.55	.04	1.05	C 74	
	1/2	1.45	.81	.55	.04	1.05	C 75	
	5/8	1.59	.95	.65	.04	1.12	C 177	
	3/4	1.70	1.05	.68	.04	1.18	C 178	
MIL-W-5086 AN-8 Any wire from .123" to .175" Diameter	10	1.13	.41	.25	.06	.92	D 36	AN-659-7
	10	1.24	.47	.29	.06	1.01	D 26	
	1/4	1.24	.47	.29	.06	1.01	D 71	
	5/16	1.36	.59	.39	.06	1.07	D 72	AN-659-8
	3/8	1.36	.59	.39	.06	1.07	D 73	AN-659-29
	7/16	1.62	.82	.47	.06	1.21	D 74	
	1/2	1.62	.82	.47	.06	1.21	D 75	
MIL-W-5086 AN-6 Any wire from .169" to .222" Diameter	10	1.30	.46	.35	.06	1.08	E 26	AN-659-30
	1/4	1.30	.46	.35	.06	1.08	E 71	AN-659-9
	5/16	1.37	.60	.35	.06	1.08	E 72	AN-659-31
	3/8	1.37	.60	.35	.06	1.08	E 73	AN-659-10
	7/16	1.69	.81	.53	.06	1.26	E 74	
	1/2	1.69	.81	.53	.06	1.26	E 75	
MIL-W-5086 AN-4 Any wire from .219" to .280" Diameter	10	1.42	.54	.39	.07	1.15	F 26	
	1/4	1.42	.54	.39	.07	1.15	F 71	AN-659-11
	5/16	1.50	.66	.39	.07	1.17	F 72	AN-659-32
	3/8	1.50	.66	.39	.07	1.17	F 73	AN-659-12
	7/16	1.66	.81	.53	.07	1.24	F 74	
	1/2	1.66	.81	.53	.07	1.24	F 75	

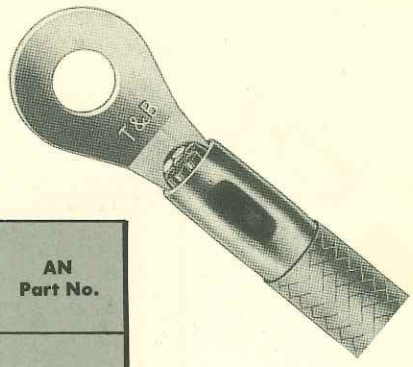
A, B, and C size terminals may be installed with WT110M, WT111M, WT160, or WT130 Hand Tools or various air and hydraulic power tools.

C size terminals may be installed with WT111M, WT160, or WT130 Hand Tools.

D, E, and F size terminals may be installed with WT115 or WT-149 Hand Tools or 21072 Bench Tool.

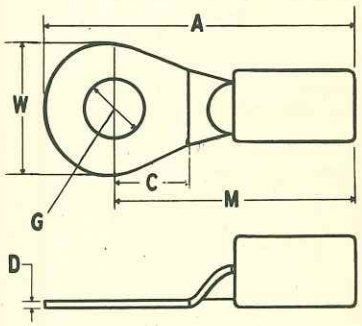
Complete tool listing, pages 24-27.

D through M sizes are available with 5/8" and 3/4" stud holes.
D, E, and F sizes are of two-piece construction.



Wire Range	Stud Size G	DIMENSIONS A Max.	W Max.	C Min.	D	M Max.	Cat. No.	AN Part No.
	10	1.66	.62	.39	.08	1.34	G 526	
MIL-W-5086 AN-2 Any wire from .298" to .355" Diameter	1/4	1.66	.62	.39	.08	1.34	G 571	AN-659-13
	5/16	1.66	.62	.39	.08	1.34	G 572	
	3/8	1.78	.69	.48	.08	1.44	G 573	AN-659-14
	7/16	1.90	.82	.55	.08	1.49	G 574	
	1/2	1.90	.82	.55	.08	1.49	G 575	AN-659-33
	1/4	1.64	.62	.41	.08	1.33	H 571	AN-659-15
MIL-W-5086 AN-1 Any wire from .351" to .390" Diameter	5/16	1.64	.62	.41	.08	1.33	H 572	
	3/8	1.76	.68	.50	.08	1.42	H 573	AN-659-16
	7/16	1.89	.81	.56	.08	1.48	H 574	
	1/2	1.89	.81	.56	.08	1.48	H 575	AN-659-34
	1/4	1.78	.62	.39	.09	1.47	J 571	AN-659-17
MIL-W-5086 AN-0 Any wire from .379" to .440" Diameter	5/16	1.78	.62	.39	.09	1.47	J 572	
	3/8	1.94	.75	.48	.09	1.56	J 573	AN-659-18
	7/16	2.07	.88	.55	.09	1.63	J 574	
	1/2	2.07	.88	.55	.09	1.63	J 575	AN-659-35
	1/4	1.91	.75	.35	.10	1.53	K 571	
MIL-W-5086 AN-00 Any wire from .431" to .500" Diameter	5/16	1.91	.75	.35	.10	1.53	K 572	AN-659-19
	3/8	2.00	.75	.43	.10	1.62	K 573	AN-659-20
	7/16	2.13	.88	.51	.10	1.69	K 574	
	1/2	2.13	.88	.51	.10	1.69	K 575	AN-659-36
	1/4	1.94	.78	.39	.10	1.55	L 571	
MIL-W-5086 AN-000 Any wire from .491" to .557" Diameter	5/16	1.94	.78	.39	.10	1.55	L 572	
	3/8	2.16	.88	.56	.10	1.72	L 573	AN-659-21
	7/16	2.16	.88	.56	.10	1.72	L 574	
	1/2	2.16	.88	.56	.10	1.72	L 575	AN-659-22
	1/4	2.10	.88	.41	.11	1.66	M 571	
MIL-W-5086 AN-0000 Any wire from .549" to .622" Diameter	5/16	2.10	.88	.41	.11	1.66	M 572	
	3/8	2.19	.88	.50	.11	1.75	M 573	AN-659-23
	7/16	2.28	.94	.56	.11	1.81	M 574	
	1/2	2.28	.94	.56	.11	1.81	M 575	AN-659-24

D through M sizes are available with 5/8" and 3/4" stud holes.

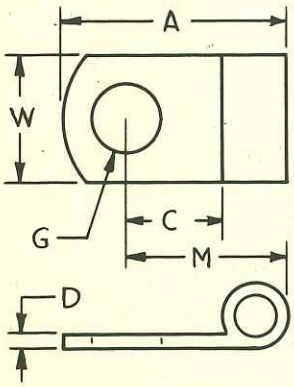


G through M size terminals may be installed with WT127G-M Ratchet Tool, 21073 Bench Air Tool, or 11031 Portable Hydraulic Assembly.

Complete tool listing. pages 24-27.

FLAG TYPE STA-KON TERMINALS

For Aircraft Cables



Wire Range	Stud Size G	DIMENSIONS A Max.	W Max.	C Min.	D	M Max.	Cat. No.
MIL-W-5086 AN-2—AN-14 Any wire from .025" to .080 Diameter	6	.55	.31	.22	.03	.39	AB 51
	8	.55	.31	.22	.03	.39	AB 52
	10	.55	.31	.22	.03	.39	AB 53
MIL-W-5086 AN-12, AN-10 Any wire from .081" to .125" Diameter	6	.68	.31	.24	.04	.48	C 51
	8	.69	.31	.24	.04	.48	C 52
	10	.69	.31	.24	.04	.48	C 53
MIL-W-5086 AN-8 Any wire from .123" to .175" Diameter	10	.80	.56	.25	.06	.58	D 236
	10	.92	.50	.29	.06	.66	D 226
	1/4	.94	.50	.33	.06	.68	D 271
	5/16	1.06	.50	.41	.06	.76	D 272
	3/8	1.14	.56	.46	.06	.81	D 273
MIL-W-5086 AN-6 Any wire from .169" to .222" Diameter	10	.97	.50	.29	.06	.71	E 226
	1/4	1.01	.50	.33	.06	.75	E 271
	5/16	1.12	.50	.41	.06	.82	E 272
	3/8	1.20	.56	.46	.06	.87	E 273
MIL-W-5086 AN-4 Any wire from .219" to .280" Diameter	10	1.03	.63	.29	.07	.77	F 226
	1/4	1.07	.63	.33	.07	.81	F 271
	5/16	119	.63	.41	.07	.89	F 272
	3/8	1.26	.63	.46	.07	.93	F 273
MIL-W-5086 AN-2 Any wire from .267" to .355" Diameter	1/4	1.19	.63	.33	.08	.93	G 671
	5/16	1.33	.63	.41	.08	1.01	G 672
	3/8	1.40	.63	.46	.08	1.06	G 673
	1/2	1.61	.75	.55	.08	1.15	G 675
MIL-W-5086 AN-1 Any wire from .351" to .390" Diameter	1/4	1.22	.63	.33	.08	.96	H 671
	5/16	1.36	.63	.41	.08	1.04	H 672
	3/8	1.42	.63	.46	.08	1.09	H 673
	1/2	1.64	.75	.55	.08	1.18	H 675
MIL-W-5086 AN-0 Any wire from .379" to .440" Diameter	1/4	1.29	.75	.33	.10	1.03	J 671
	5/16	1.40	.75	.41	.10	1.10	J 672
	3/8	1.48	.75	.46	.10	1.15	J 673
	1/2	1.70	.75	.55	.10	1.25	J 675
MIL-W-5086 AN-00 Any wire from .431" to .500" Diameter	5/16	1.50	.81	.41	.11	1.20	K 672
	3/8	1.58	.81	.46	.11	1.25	K 673
	1/2	1.80	.81	.55	.11	1.34	K 675
MIL-W-5086 AN-000 Any wire from .491" to .557" Diameter	5/16	1.56	.81	.41	.11	1.26	L 672
	3/8	1.64	.81	.55	.11	1.40	L 673
	1/2	1.86	.81	.55	.11	1.40	L 675
MIL-W-5086 AN-0000 Any wire from .549" to .622" Diameter	5/16	1.67	1.00	.41	.13	1.37	M 672
	3/8	1.75	1.00	.46	.13	1.42	M 673
	1/2	1.97	1.00	.55	.13	1.51	M 675

AB and C sizes are installed with WT119, 21060, 21070, and 21687 tools.

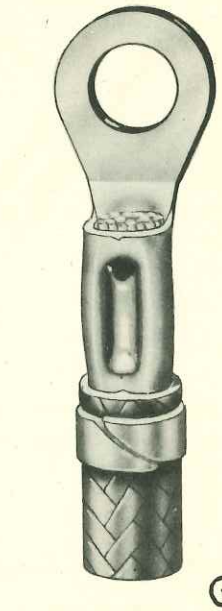
D, E, and F sizes are installed wth WT129 and 21689 tools. G through M sizes are installed with 11032 Hydraulic Assembly and with WT127 Hand Tool using 21665-21670 Nests.

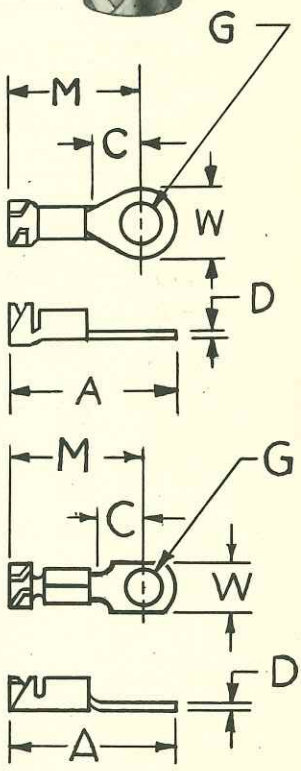
Complete tool listing, pages 24-27.

INSULATION GRIP STA-KON TERMINALS

For Aircraft Cables

Wire Range	Stud Size G	DIMENSIONS A Max.	W Max.	C Min.	D	M Max.	Cat. No.	AN Part No.
MIL-W-5086 AN-22–AN-18 Any wire from .025" to .052" Diameter Insulation Grip: .078" to .150"	4	.75	.20	.22	.03	.65	*A 88G	
	4	.78	.25	.22	.03	.65	A 132G	AN-659-38
	4	.87	.25	.28	.03	.71	*A 20G	
	4	.89	.33	.29	.03	.72	A 7G	
	6	.81	.25	.26	.03	.69	A 122G	
	6	.81	.25	.27	.03	.69	A 85G	AN-659-1
	8	.88	.33	.29	.03	.72	A 123G	
	8	.89	.33	.29	.03	.72	A 86G	
	10	.88	.33	.29	.03	.72	A 124G	
	10	.89	.33	.29	.03	.72	A 87G	AN-659-2
	1/4	1.06	.50	.37	.03	.81	A 71G	
	1/4	1.06	.50	.38	.03	.81	A 126G	
	5/16	1.06	.50	.37	.03	.81	A 72G	
	3/8	1.17	.66	.40	.03	.84	A 73G	AN-659-25
	7/16	1.53	.72	.64	.03	1.17	A 74G	
	1/2	1.53	.72	.64	.03	1.17	A 75G	
MIL-W-5086 AN-16, AN-14 Any wire from .032" to .080" Diameter Insulation Grip: .100" to .187"	4	.75	.25	.19	.03	.62	B 132G	AN-659-39
	4	.86	.20	.17	.03	.71	*B 21G	
	4	.87	.25	.28	.03	.71	*B 20G	
	6	.75	.25	.19	.03	.62	B 133G	AN-659-26
	6	.87	.25	.28	.03	.71	*B 93G	
	6	.87	.31	.28	.03	.71	B 85G	AN-659-3
	6	.87	.31	.28	.03	.72	B 122G	
	8	.87	.25	.28	.03	.71	*B 94G	
	8	.87	.31	.28	.03	.71	B 86G	
	8	.87	.31	.28	.03	.72	B 123G	
	10	.87	.31	.28	.03	.71	B 87G	AN-659-4
	10	.87	.31	.28	.03	.72	B 124G	
	10	.90	.38	.28	.03	.71	B 34G	
	10	.90	.38	.28	.03	.72	B 125G	
	1/4	1.07	.50	.38	.03	.82	B 71G	
	1/4	1.07	.50	.38	.03	.82	B 126G	
	5/16	1.07	.50	.38	.03	.82	B 72G	
	3/8	1.17	.66	.41	.03	.84	B 73G	AN-659-27
	7/16	1.20	.72	.44	.03	.84	B 74G	
	1/2	1.24	.75	.46	.03	.87	B 75G	





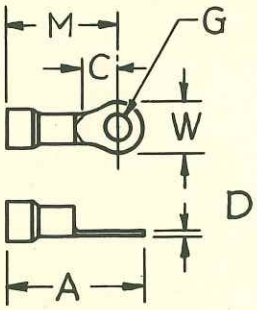
* Round End

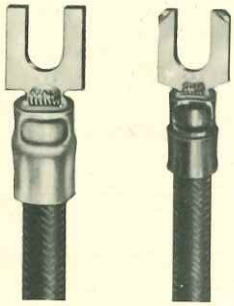
Use Hand Tools WT110M, WT-160, or WT135 to install A and B sizes. Use Bench Air Tool 21070G for the same sizes.

Complete tool listing, pages 24-27.

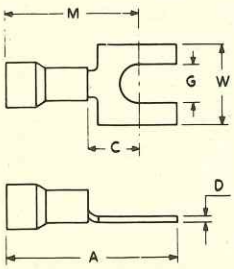
SELF-INSULATED INSULATION GRIP STA-KON TERMINALS

T&B ENGINEERED





1100 SERIES 1200 SERIES

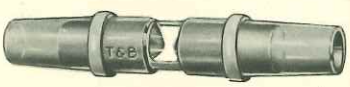


Wire Range	Stud Size G	DIMENSIONS A Max.	W Max.	C Min.	D	M Max.	Cat. No.	Military Specification
RING TONGUE								
MIL-W-5086 AN-22—AN-18 Any wire from .025" to .052" Diameter Insulation Grip: .056" to .136"	4	.70	.23	.14	.03	.59	RA 323	
	6	.70	.23	.14	.03	.59	RA 333	MS-25036-1
	6	.81	.26	.23	.03	.68	RA 853	MS-25036-2
	8	.81	.26	.23	.03	.68	RA 833	
	8	.90	.31	.30	.03	.74	RA 863	
	10	.90	.31	.30	.03	.74	RA 873	MS-25036-3
	1/4	1.08	.47	.39	.03	.84	RA 713	
	5/16	1.08	.47	.39	.03	.84	RA 723	MS-25036-4
	3/8	1.17	.59	.42	.03	.87	RA 733	MS-25036-5
	7/16	1.27	.68	.47	.03	.93	RA 743	
	1/2	1.32	.72	.50	.03	.96	RA 753	
MIL-W-5086 AN-16, AN-14 Any wire from .032" to .080" Diameter Insulation Grip: .056" to .162"	4	.72	.26	.14	.03	.59	RB 1323	
	5	.72	.26	.14	.03	.59	RB 323	MS-25036-6
	6	.72	.26	.14	.03	.59	RB 1333	
	6	.84	.31	.23	.03	.68	RB 853	MS-25036-7
	8	.90	.31	.30	.03	.74	RB 863	
	10	.90	.31	.30	.03	.74	RB 873	MS-25036-8
	1/4	1.08	.47	.39	.03	.84	RB 713	
	5/16	1.08	.47	.39	.03	.84	RB 723	MS-25036-9
	3/8	1.17	.59	.42	.03	.87	RB 733	MS-25036-10
	7/16	1.27	.68	.47	.03	.93	RB 743	
	1/2	1.32	.72	.50	.03	.96	RB 753	
MIL-W-5086 AN-12, AN-10 Any wire from .051" to .125" Diameter Insulation Grip: .149" to .210"	6	.98	.38	.26	.04	.79	RC 333	MS-25036-11
	8	1.00	.38	.28	.04	.81	RC 863	
	10	1.00	.38	.28	.04	.81	RC 363	MS-25036-12
	1/4	1.21	.53	.41	.04	.94	RC 713	
	5/16	1.21	.53	.41	.04	.94	RC 703	MS-25036-13
	3/8	1.27	.59	.44	.04	.97	RC 733	MS-25036-14
	7/16	1.36	.68	.49	.04	1.02	RC 743	
	1/2	1.41	.72	.52	.04	1.05	RC 753	
FORKED TONGUE								**Jones Block**
MIL-W-5086 AN-22—AN-18 Any wire from .025" to .052" Diameter Insulation Grip: .056" to .136"	6	.74	.28	.16	.03	.60	RA 1103	140
	6	.74	.28	.16	.03	.60	RA 1203	
	6	.77	.31	.17	.03	.61	RA 1113	141
	6	.77	.31	.17	.03	.61	RA 1213	
	8	.84	.41	.20	.03	.64	RA 1123	142
	8	.84	.41	.20	.03	.64	RA 1223	
	10	.90	.45	.24	.03	.68	RA 1153	150
	10	.90	.45	.24	.03	.68	RA 1253	
MIL-W-5086 AN-16, AN-14 Any wire from .032" to .080" Diameter Insulation Grip: .056" to .162"	6	.74	.28	.16	.03	.60	RB 1103	140
	6	.74	.28	.16	.03	.60	RB 1203	
	6	.77	.31	.17	.03	.61	RB 1113	141
	6	.77	.31	.17	.03	.61	RB 1213	
	8	.84	.41	.20	.03	.64	RB 1123	142
	8	.84	.41	.20	.03	.64	RB 1223	150
	10	.90	.45	.24	.03	.68	RB 1153	
	10	.90	.45	.24	.03	.68	RB 1253	
MIL-W-5086 AN-12, AN-10 Any wire from .051" to .125" Diameter Insulation Grip: .149" to .210"	8	.91	.41	.19	.04	.71	RC 1123	142
	8	.91	.41	.19	.04	.71	RC 1223	
	10	.97	.45	.24	.04	.75	RC 1153	150
	10	.97	.45	.24	.04	.75	RC 1253	
	1/4	1.06	.50	.30	.04	.82	RC 1163	

RA, RB, and RC sizes of Self-Insulated Sta-Kon Terminals may be installed with WT145 Shure Stake Hand Tool or with 21678, 21728, 21729, and 11935 power tools.

Complete tool listing, pages 24-27.

Self-Insulated Two-Way Connectors with Insulation Grip

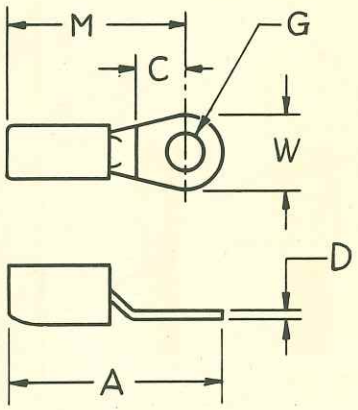


Wire Size AWG	Diameter	Length	Ins. Capacity Diameter	Cat. No.
22 - 18	.25	1.52	.14	RAA23
16 - 14	.28	1.52	.16	RBB23
12 - 10	.35	1.89	.22	RCC23

LARGE SIZE SELF-INSULATED STA-KON TERMINALS

For Aircraft Cables

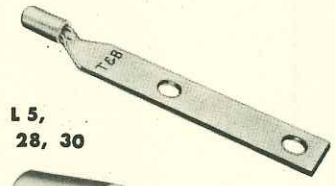
Wire Range	Stud Size G	DIMENSIONS J min.	A max.	W max.	C min.	D	M max.	Cat. No.
MIL-W-5086 AN-8 Any wire from .123" to .175" Diameter	10	.27	1.44	.41	.25	.06	1.23	RD 361
	10	.27	1.52	.47	.29	.06	1.28	RD 261
	1/4	.27	1.52	.47	.29	.06	1.28	RD 711
	5/16	.27	1.63	.59	.39	.06	1.33	RD 721
	3/8	.27	1.63	.59	.39	.06	1.33	RD 731
	7/16	.27	1.94	.82	.47	.06	1.53	RD 741
	1/2	.27	1.94	.82	.47	.06	1.53	RD 751
MIL-W-5086 AN-6 Any wire from .169" to .222" Diameter	10	.32	1.63	.46	.35	.06	1.40	RE 261
	1/4	.32	1.63	.46	.35	.06	1.40	RE 711
	5/16	.32	1.69	.60	.35	.06	1.39	RE 721
	3/8	.32	1.69	.60	.35	.06	1.39	RE 731
	7/16	.32	2.02	.81	.53	.06	1.61	RE 741
	1/2	.32	2.02	.81	.53	.06	1.61	RE 751
MIL-W-5086 AN-4 Any wire from .219" to .280" Diameter	10	.38	1.78	.54	.39	.07	1.51	RF 261
	1/4	.38	1.78	.54	.39	.07	1.51	RF 711
	5/16	.38	1.88	.66	.39	.07	1.55	RF 721
	3/8	.38	1.88	.66	.39	.07	1.55	RF 731
	7/16	.38	2.08	.81	.53	.07	1.67	RF 741
	1/2	.38	2.08	.81	.53	.07	1.67	RF 751
MIL-W-5086 AN-2 Any wire from .298" to .355" Diameter	10	.46	2.11	.62	.39	.08	1.80	RG 5261
	1/4	.46	2.11	.62	.39	.08	1.80	RG 5711
	5/16	.46	2.11	.62	.39	.08	1.80	RG 5721
	3/8	.46	2.23	.69	.48	.08	1.89	RG 5731
	7/16	.46	2.36	.82	.55	.08	1.95	RG 5741
	1/2	.46	2.36	.82	.55	.08	1.95	RG 5751
MIL-W-5086 AN-1 Any wire from .351" to .390" Diameter	1/4	.51	2.14	.62	.41	.08	1.83	RH 5711
	5/16	.51	2.14	.62	.41	.08	1.83	RH 5721
	3/8	.51	2.27	.68	.50	.08	1.93	RH 5731
	7/16	.51	2.39	.81	.56	.08	1.98	RH 5741
	1/2	.51	2.39	.81	.56	.08	1.98	RH 5751
MIL-W-5086 AN-0 Any wire from .379" to .440" Diameter	1/4	.56	2.23	.62	.39	.09	2.01	RJ 5711
	5/16	.56	2.23	.62	.39	.09	2.01	RJ 5721
	3/8	.56	2.48	.75	.48	.09	2.11	RJ 5731
	7/16	.56	2.61	.88	.55	.09	2.17	RJ 5741
	1/2	.56	2.61	.88	.55	.09	2.17	RJ 5751
MIL-W-5086 AN-00 Any wire from .431" to .500" Diameter	1/4	.62	2.50	.75	.35	.10	2.12	RK 5711
	5/16	.62	2.50	.75	.35	.10	2.12	RK 5721
	3/8	.62	2.59	.75	.43	.10	2.22	RK 5731
	7/16	.62	2.71	.88	.51	.10	2.27	RK 5741
	1/2	.62	2.71	.88	.51	.10	2.27	RK 5751
MIL-W-5086 AN-000 Any wire from .491" to .557" Diameter	1/4	.69	2.61	.78	.39	.10	2.22	RL 5711
	5/16	.69	2.61	.78	.39	.10	2.22	RL 5721
	3/8	.69	2.70	.88	.56	.10	2.26	RL 5731
	7/16	.69	2.83	.88	.56	.10	2.39	RL 5741
	1/2	.69	2.83	.88	.56	.10	2.39	RL 5751
MIL-W-5086 AN-0000 Any wire from .549" to .622" Diameter	1/4	.77	2.80	.88	.41	.11	2.36	RM 5711
	5/16	.77	2.80	.88	.41	.11	2.36	RM 5721
	3/8	.77	2.89	.88	.50	.11	2.45	RM 5731
	7/16	.77	2.98	.94	.56	.11	2.51	RM 5741
	1/2	.77	2.98	.94	.56	.11	2.51	RM 5751



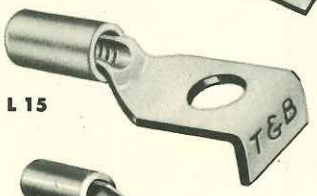
For RD, RE, and RF sizes, use WT118 Hand Tool, 11033 Portable Hydraulic Assembly, or 21675 Bench Air Tool.

For RG through RM sizes, use 11034 Portable Hydraulic Assembly or 21726 Bench Air Tool.

NAVY WIRE TERMINALS

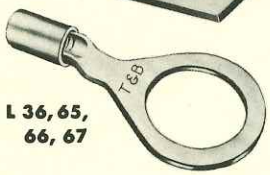


L 5, 28, 30

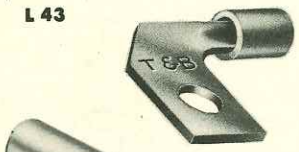


L 15

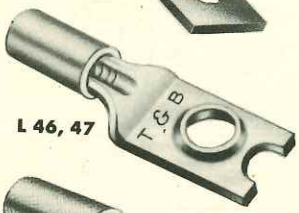
L16, 17



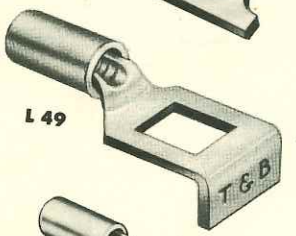
L 36, 65, 66, 67



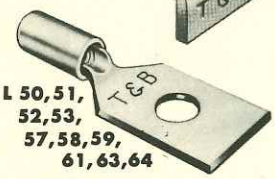
L 43



L 46, 47



L 49



L 50, 51, 52, 53, 57, 58, 59, 61, 63, 64

L 54

INSTALL WITH WT160, UNIVERSAL CRIMPING TOOL

TYPE WT NAVY WIRE TERMINALS

Wire Size: Navy Shipboard 1, 1½, 2

T&B Cat. No.	Navy Tongue Shape[1]	Navy Stock Number[2]	Navy Tongue Shape[1]	Navy Stock Number[2]	T&B Cat. No.
A405	L5	G17-T-4737-100	L55	G17-T-26579-5115	A455
A415	L15	———	L56	G17-T-26577-2528	A456
A416	L16	———	L57	G17-T-26577-2288	A457
A417	L17	———	L58	G17-T-26577-2107	A458
A428	L28	G17-T-4737-130	L59	G17-T-26577-2478	A459
A430	L30	G17-T-4737-135	L50	———	A460
A436	L65	G17-T-4737-160	L61	G17-T-26577-3218	A461
A443	L43	G17-T-4737-180	L63	G17-T-26577-3943	A463
A446	L46	G17-T-4737-185	L64	G17-T-26577-4463	A464
A447	L47	G17-T-4737-190	L65	G17-T-26576-7405	A465
A449	L49	G17-T-26577-1623	L66	G17-T-26576-7475	A466
A450	L50	———	L67	G17-T-26576-7620	A467
A451	L51	———	L60	———	A468
A452	L52	G17-T-26577-3253	L69	———	A469
A453	L53	G17-T-26577-2508	—	———	A470
A454	L54	G17-T-26577-2503	—	———	A475

TYPE WT NAVY WIRE TERMINALS

Wire Size: Navy Shipboard 2½, 3, 4

B405	L5	G17-T-4737-250	L55	G17-T-26645-9274	B455
B413	L15	———	L56	G17-T-26641-4268	B456
B415	L15	G17-T-4737-275	L57	G17-T-26641-3640	B457
B416	L16	G17-T-4737-280	L58	G17-T-26641-3214	B458
B417	L17	G17-T-4737-285	L59	G17-T-26641-4007	B459
B421	L54	G17-T-26641-5833	—	———	B460
B428	L28	G17-T-4737-295	L61	G17-T-26641-5639	B461
B430	L30	G17-T-4737-300	L63	G17-T-26641-7026	B463
B436	L36	G17-T-4737-325	L64	G17-T-26641-7801	B464
B443	L43	G17-T-4737-345	L65	G17-T-26640-4780	B465
B446	L46	G17-T-4737-350	L66	G17-T-26640-4900	B466
B447	L47	G17-T-4737-355	L67	G17-T-26640-5090	B467
B449	L49	G17-T-26641-2247	L60	———	B468
B450	L50	G17-T-26641-8310	L69	———	B469
B451	L51	G17-T-26641-7840	—	———	B470
B452	L52	G17-T-26641-5858	—	———	B475
B453	L53	G17-T-26641-4235	—	———	B499
B454	L54	G17-T-26641-4218			

[1]In accordance with MIL-E-16366B.

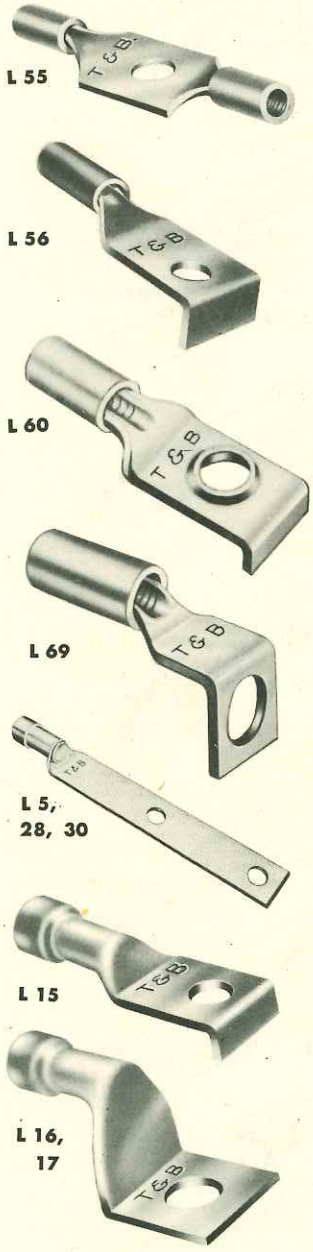
[2]Refer to Catalog of Navy Material, Class 17, Group 17, March 1, 1953 and supplemental sheets.

TYPE WT NAVY WIRE TERMINALS

Wire Size: Navy Shipboard 6, 9

T&B Cat. No.	Navy Tongue Shape[1]	Navy Stock Number[2]
C405	L5	———
C415	L15	G17-T-26698-9581
C416	L16	G17-T-26698-9566
C417	L17	G17-T-26698-9556
C428	L28	———
C430	L30	———
C436	L36	
C443	L43	G17-T-26701-1384
C446	L46	———
C447	L47	———
C449	L49	G17-T-26698-8141
C450	L50	G17-T-26699-1970
C451	L51	G17-T-26699-1710
C452	L52	G17-T-26698-9666
C453	L53	G17-T-26698-9875
C454	L54	G17-T-26698-8965
C455	L55	G17-T-26700-8780

Navy Tongue Shape[1]	Navy Stock Number[2]	T&B Cat. No.
L56	G17-T-26698-8993	C456
L57	G71-T-26698-8749	C457
L58	G17-T-26698-8620	C458
L59	G17-T-26698-8920	C459
—	———	C460
L61	G17-T-26698-9591	C461
L63	G17-T-26699-1231	C463
L64	G17-T-26699-1665	C464
L65	G17-T-26698-5310	C465
L66	G17-T-26698-5369	C466
L67	G17-T-26698-5444	C467
L60	———	C468
—	———	C470
—	———	C475



TYPE WTG NAVY WIRE TERMINALS (with collar for Watersealing Insulation)

Wire Size: Navy Shipboard 1, 1 1/2, 2

AG404	—	———
AG405	L5	G17-T-4737-500
AG415	L15	———
AG416	L16	———
AG417	L17	———
AG428	L28	G17-T-4737-530
AG430	L30	G17-T-4737-535
AG436	L36	———
AG443	L43	G17-T-4737-580
AG446	L46	G17-T-4737-585
AG449	L49	G17-T-26577-1633
AG450	L50	———
AG452	L52	G17-T-26577-3263
AG453	L53	G17-T-26577-2532

L54	G17-T-26577-2513	AG454
L56	G17-T-26577-2538	AG456
L57	G17-T-26577-2298	AG457
L58	G17-T-26577-2117	AG458
L59	G17-T-26577-2468	AG459
—	———	AG460
L61	G17-T-26577-3228	AG461
L63	G17-T-26577-3953	AG463
L64	G17-T-26577-4473	AG464
L65	G17-T-26576-7415	AG465
L66	G17-T-26576-7480	AG466
L67	G17-T-26576-7625	AG467
L60	———	AG468
—	———	AG470

[1]In accordance with MIL-E-16366B.

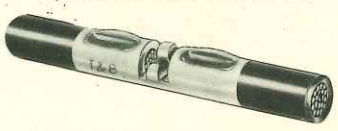
[2]Refer to Catalog of Navy Material, Class 17, Group 17, March 1, 1953 and supplemental sheets.

TYPE CCBC TWO-WAY CONNECTORS

Cat. No.	Wire Size AWG	Length
AA2	22 - 18	.62
BB2	20 - 14	.62
CC2	16 - 10	.81
DD2	8, 9, 7	1.29

Cat. No.	Wire Size AWG	Length
EE2	6, 5	1.29
FF2	4, 3	1.33
GG2	2, 1	1.75

INSTALL WITH WT160, UNIVERSAL CRIMPING TOOL



Use Hand Tool WT111M or WT-160 for AA, BB, and CC sizes. Use Toggle Tool WT115 for DD through GG sizes.

NAVY WIRE TERMINALS

THE THOMAS & BETTS, Co, Inc.
BULLETIN # 63 © 1954

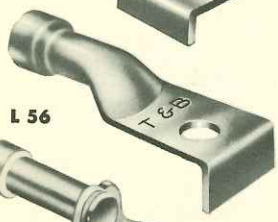
L 43

L46, 47

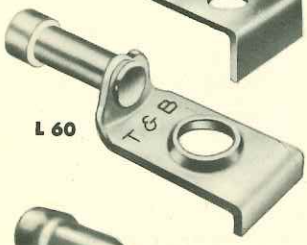
L 49

L 50

L 54



L 56



L 60

L36, 65
66, 67

INSTALL WITH WT160,
UNIVERSAL CRIMPING TOOL

TYPE WTG NAVY WIRE TERMINALS
(with collar for Watersealing Insulation)
Wire Size: Navy Shipboard 2½, 3, 4

T&B Cat. No.	Navy Tongue Shape[1]	Navy Stock Number[2]
BG404	—	———
BG405	L5	G17-T-4737-650
BG415	L15	G17-T-4737-675
BG416	L16	G17-T-4737-680
BG417	L17	G17-T-4737-685
BG428	L28	G17-T-4737-695
BG430	L30	G17-T-4737-700
BG436	L36	G17-T-4737-725
BG443	L43	G17-T-4737-745
BG446	L46	G17-T-4737-750
BG447	L47	G17-T-4737-755
BG449	L49	G17-T-26641-2262
BG450	L50	G17-T-26641-8320
BG451	L51	G17-T-26641-7850
BG452	L52	G17-T-26641-5868
BG453	L53	G17-T-26641-4273

Navy Tongue Shape[1]	Navy Stock Number[2]	T&B Cat. No.
L54	G17-T-26641-4263	BG454
L56	G17-T-26641-4283	BG456
L57	G17-T-26641-3655	BG457
L58	G17-T-26641-3229	BG458
L59	G17-T-26641-4009	BG459
—	———	BG460
L61	G17-T-26641-5649	BG461
L63	G17-T-26641-7036	BG463
L64	G17-T-26641-7811	BG464
L65	G17-T-26640-4790	BG465
L66	G17-T-26640-4910	BG466
L67	G17-T-26640-6015	BG467
L60	———	BG468
—	———	BG470
—	———	BG475

TYPE WTG NAVY WIRE TERMINALS
(with collar for Watersealing Insulation)
Wire Size: Navy Shipboard 6, 9

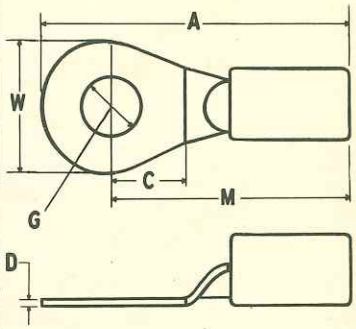
CG404	—	———
CG405	L5	———
CG415	L15	G17-T-26698-9626
CG416	L16	G17-T-26698-9616
CG417	L17	G17-T-26698-9606
CG428	L28	———
CG430	L30	———
CG436	L36	———
CG443	L43	G17-T-26701-1404
CG446	L46	———
CG447	L47	———
CG449	L49	G17-T-26698-8151
CG450	L50	G17-T-26699-1985
CG451	L51	G17-T-26699-1720
CG452	L52	G17-T-26698-9681
CG453	L53	G17-T-26698-8998

L54	G17-T-26698-8990	CG454
L56	G17-T-26698-9005	CG456
L57	G17-T-26698-8759	CG457
L58	G17-T-26698-8635	CG458
L59	G17-T-26698-8929	CG459
—	———	CG460
L61	G17-T-26698-9636	CG461
L63	G17-T-26699-1251	CG463
L64	G17-T-26699-1685	CG464
L65	G17-T-26698-5322	CG465
L66	G17-T-26698-5372	CG466
L67	G17-T-26698-5454	CG467
L60	———	CG468
—	———	CG470
—	———	CG475

[1]In accordance with MIL-E-16366B.
[2]Refer to Catalog of Navy Material, Class 17, Group 17, March 1, 1953 and supplemental sheets.

TYPE CLC NAVY WIRE TERMINAL

Wire Range	Stud G	DIMENSIONS A Max.	W Max.	C Min.	D	M Max.	Cat. No.
Navy Shipboard	10	1.13	.41	.25	.06	.92	D 436
14 (7) to 14 (140)	10	1.24	.47	.29	.06	1.01	D 426
Any wire from	1/4	1.24	.47	.29	.06	1.01	D 471
.123" to .175" diameter	5/16	1.36	.59	.39	.06	1.07	D 472
	3/8	1.36	.59	.39	.06	1.07	D 473
	7/16	1.62	.82	.47	.06	1.21	D 474
	1/2	1.62	.82	.47	.06	1.21	D 475
Navy Shipboard	10	1.30	.46	.35	.06	1.08	E 426
20 (49) to 30 (19)	1/4	1.30	.46	.35	.06	1.08	E 471
Any wire from	5/16	1.37	.60	.35	.06	1.08	E 472
.169" to .222" diameter	3/8	1.37	.60	.35	.06	1.08	E 473
	7/16	1.69	.81	.53	.06	1.26	E 474
	1/2	1.69	.81	.53	.06	1.26	E 475
Navy Shipboard	10	1.42	.54	.39	.07	1.15	F 426
30 (304) to 50 (19)	1/4	1.42	.54	.39	.07	1.15	F 471
Any wire from	5/16	1.50	.66	.39	.07	1.17	F 472
.219" to .280" diameter	3/8	1.50	.66	.39	.07	1.17	F 473
	7/16	1.66	.81	.53	.07	1.24	F 474
	1/2	1.66	.81	.53	.07	1.24	F 475
Navy Shipboard	10	1.66	.62	.39	.08	1.34	G 436
60 (37)	1/4	1.66	.62	.39	.08	1.34	G 481
Any wire from	5/16	1.66	.62	.39	.08	1.34	G 482
.267" to .297" diameter	3/8	1.78	.69	.48	.08	1.44	G 483
	7/16	1.90	.81	.55	.08	1.49	G 484
	1/2	1.90	.81	.55	.08	1.49	G 485
Navy Shipboard	10	1.66	.62	.39	.08	1.34	G 426
53 (532) to 75 (37)	1/4	1.66	.62	.39	.08	1.34	G 471
Any wire from	5/16	1.66	.62	.39	.08	1.34	G 472
.298" to .355" diameter	3/8	1.78	.69	.48	.08	1.44	G 473
	7/16	1.90	.82	.55	.08	1.49	G 474
	1/2	1.90	.82	.55	.08	1.49	G 475
Navy Shipboard	1/4	1.64	.62	.41	.08	1.33	H 471
100 (61)	5/16	1.64	.62	.41	.08	1.33	H 472
Any wire from	3/8	1.76	.68	.50	.08	1.42	H 473
.351" to .390" diameter	7/16	1.89	.81	.56	.08	1.48	H 474
	1/2	1.89	.81	.56	.08	1.48	H 475
Navy Shipboard	1/4	1.78	.62	.39	.09	1.47	J 471
105 (259) to 125 (61)	5/16	1.78	.62	.39	.09	1.47	J 472
Any wire from	3/8	1.94	.75	.48	.09	1.56	J 473
.379" to .440" diameter	7/16	2.07	.88	.55	.09	1.63	J 474
	1/2	2.07	.88	.55	.09	1.63	J 475
Navy Shipboard	1/4	1.91	.75	.35	.10	1.53	K 471
105 (2646) to 150 (61)	5/16	1.91	.75	.35	.10	1.53	K 472
Any wire from	3/8	2.00	.75	.43	.10	1.62	K 473
.431" to .500" diameter	7/16	2.13	.88	.51	.10	1.69	K 474
	1/2	2.13	.88	.51	.10	1.69	K 475
Navy Shipboard	1/4	1.94	.78	.39	.10	1.55	L 471
133 (3325) to 200 (61)	5/16	1.94	.78	.39	.10	1.55	L 472
Any wire from	3/8	2.16	.88	.56	.10	1.72	L 473
.491" to .557" diameter	7/16	2.16	.88	.56	.10	1.72	L 474
	1/2	2.16	.88	.56	.10	1.72	L 475
Navy Shipboard	1/4	2.10	.88	.41	.11	1.66	M 471
200 (988) to 250 (61)	5/16	2.10	.88	.41	.11	1.66	M 472
Any wire from	3/8	2.19	.88	.50	.11	1.75	M 473
.549" to .622" diameter	7/16	2.28	.94	.56	.11	1.81	M 474
	1/2	2.28	.94	.56	.11	1.81	M 475



D, E, and F size terminals may be installed with WT115 or WT149 Hand Tools or 21072 Bench Tool.

G through M size terminals may be installed with WT127G-M Ratchet Tool, 21073 Bench Air Tool, or 11031 Portable Hydraulic Assembly.

Complete tool listing, pages 24-27.

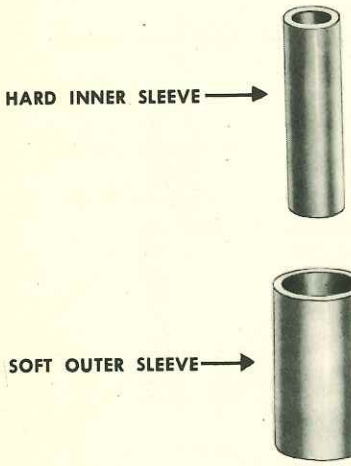
COLOR CODED

GROUNDING SHEATH CONNECTORS

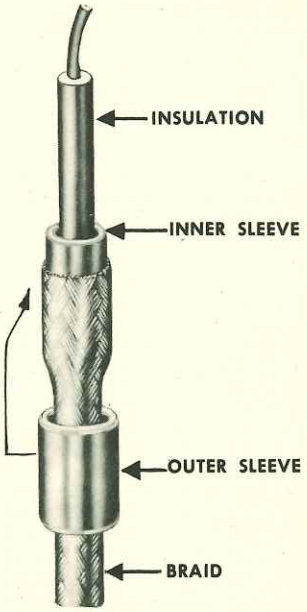
WHAT THEY DO

On shielded conductors or coaxial cable, Grounding Sheath Connectors terminate the braid neatly and quickly.

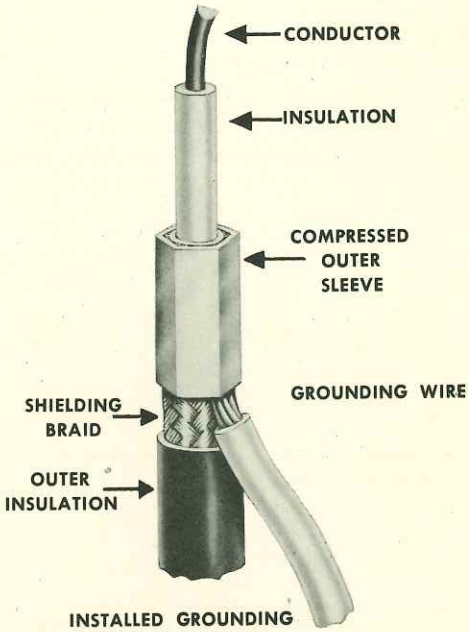
They hold the braid and the ground wire in a permanent compression joint without damaging the insulation or appreciably changing the impedance of the cable. The noise level of Grounding Sheath Connectors is so low as to be negligible.



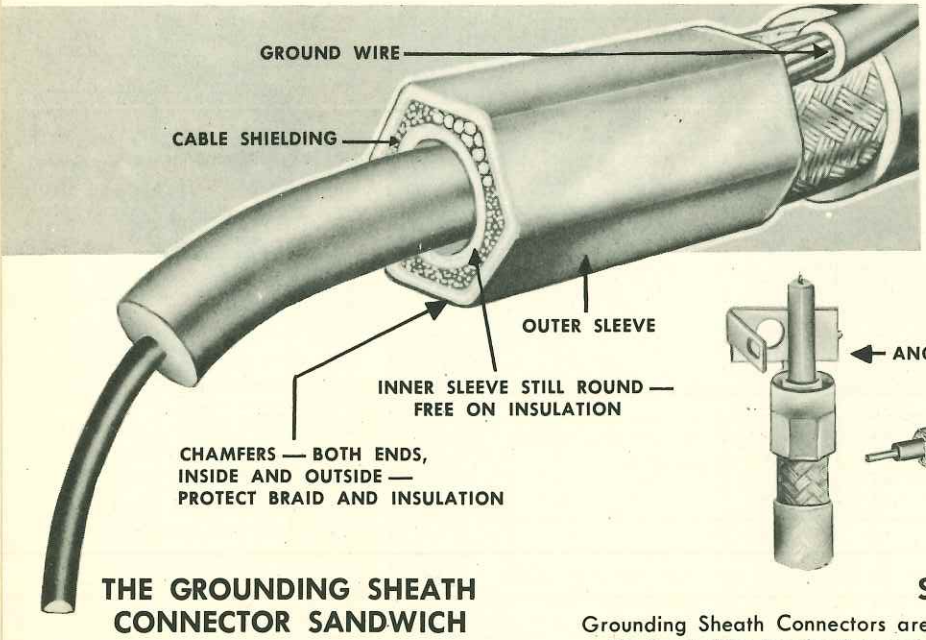
GROUNDING SHEATH CONNECTOR BEFORE INSTALLATION



GROUNDING SHEATH CONNECTOR DURING INSTALLATION



INSTALLED GROUNDING SHEATH CONNECTOR


GROUND WIRE
CABLE SHIELDING
OUTER SLEEVE
INNER SLEEVE STILL ROUND — FREE ON INSULATION
CHAMFERS — BOTH ENDS, INSIDE AND OUTSIDE — PROTECT BRAID AND INSULATION

COLOR CODING

At-a-glance Size selection

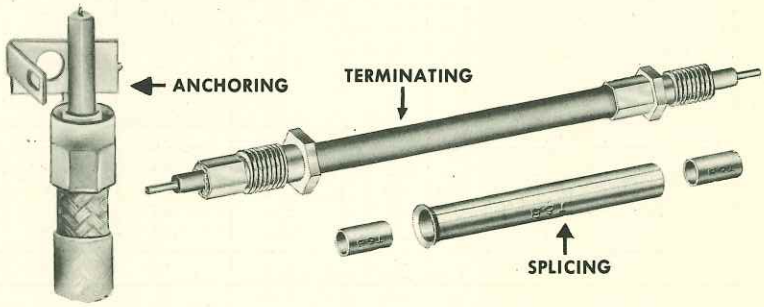
At-a-glance Tool selection

At-a-glance Inspection

All Inner and Outer Sleeves are marked with bright colors to show the size.

See table on next page.

Installing tools are color coded to match the Outer Sleeves. Accurate installation is easy.



THE GROUNDING SHEATH CONNECTOR SANDWICH

Note how the ground wire and cable shielding are permanently compressed between Inner Sleeve and Outer Sleeve. Simple tools, hand- or power-operated, make the installation.

SPECIAL USES

Grounding Sheath Connectors are often used on the non-grounded end of shielded cable for a trim termination and a positive interconnection between the strands of the braid. As shown in the center illustration, they are suitable for chassis or panel mounting. They are used at splices to connect the two ends of the shielding. With various shapes of lugs brazed to the Outer Sleeve, they are used to anchor the cable as well as to ground it.

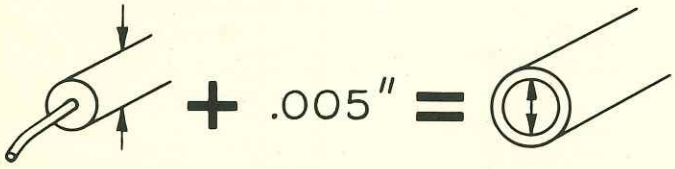
T&B Engineers will design SPECIAL CONNECTORS for unusual applications.

FIRST WAY

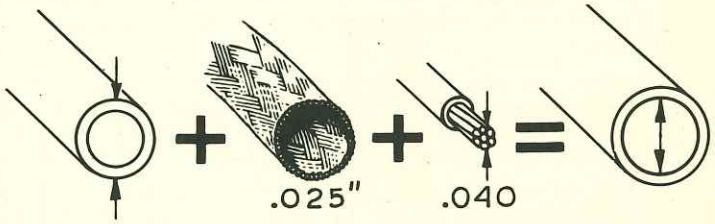
1. Send us samples of your shielded cable and the grounding wire you intend to use. Specify the insulation diameter tolerance of the shielded cable.
2. Our Engineers will fit the proper Inner and Outer Sleeves on cable and recommend right installing tool.

SECOND WAY

1. Choose the Inner.
   a. Find the diameter of insulation.
   b. Add .005" minimum clearance.
   c. From size chart pick the Inner with that I. D. or the nearest larger one.
2. Choose the Outer.
   a. From chart find O. D. of Inner already selected.
   b. Add .025" for thickness of single braid shielding.
   c. Add .040" for ground wire (up to #18).
   d. From size chart pick Outer with that I. D. or the nearest larger one.



*DIAMETER OF INSULATION — CLEARANCE — I. D. OF INNER SLEEVE (SEE TABLE)



O. D. OF INNER SLEEVE (SEE TABLE) — THICKNESS OF SINGLE BRAID — ALLOWANCE FOR GROUND WIRE — I. D. OF OUTER SLEEVE (SEE TABLE)†

INNER SLEEVES

Cat. No.	I.D.	O.D.	Color Code
GSB 046	.046	.070	Tin
GSB 058	.058	.083	Yellow
GSB 063	.063	.088	Red
GSB 071	.071	.096	Green
GSB 080	.080	.1035	Blue
GSB 090	.090	.1135	Orange
GSB 096	.096	.119	Purple
GSB 101	.101	.124	Yellow
GSB 109	.109	.131	Red
GSB 124	.124	.145	Green
GSB 128	.128	.152	Tin
GSB 134	.134	.156	Orange
GSB 149	.149	.179	Blue
GSB 156	.156	.193	Red
GSB 165	.165	.194	Tin
GSB 175	.175	.215	Green
GSB 187	.187	.227	Yellow
GSB 194	.194	.226	Blue
GSB 205	.205	.245	Orange
GSB 219	.219	.250	Tin
GSB 225	.225	.254	Yellow
GSB 232	.232	.263	Red
GSB 261	.261	.297	Blue
GSB 275	.275	.306	Orange
GSB 281	.281	.331	Yellow
GSB 287	.287	.327	Tin
GSB 297	.297	.335	Red
GSB 312	.312	.362	Purple

OUTER SLEEVES

Cat. No.	I.D.	Color Code
GSC 101	.101	Tin
GSC 128	.128	Blue
GSC 149	.149	Purple
GSC 156	.156	Yellow
GSC 175	.175	Blue
GSC 187	.187	Orange
GSC 194	.194	Red
GSC 199	.199	Tin
GSC 205	.205	Yellow
GSC 219	.219	Green
GSC 225	.225	Purple
GSC 232	.232	Orange
GSC 261	.261	Yellow
GSC 275	.275	Tin
GSC 281	.281	Purple
GSC 287	.287	Blue
GSC 297	.297	Green
GSC 312	.312	Yellow
GSC 327	.327	Tin
GSC 348	.348	Orange
GSC 405	.405	Red
GSC 460	.460	Tin

*Sometimes actual cable varies from its specification. If there is any doubt that the chosen Inner will fit over the Insulation, use the next larger Inner.

†If the table does not show the exact I. D. calculated, select the next larger size.

HOW TO ORDER TOOLS

The Outer Sleeve determines which hexagonal die should be used. For example, the fifth line of the table shows that GSC175 may be installed with tools WT203, WT231, and with dies 11973 and 21503.

Hand installing tools are of the Straight Line Action type. These improved Shure Stake Tools close the dies in a straight line instead of in an arc, preventing the Outer Sleeve from flashing as it is compressed.

Installing tools are color coded to match the Outer Sleeves.

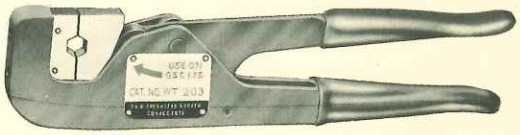
On special order the hex die faces may be engraved. This engraving embosses an identifying letter on the Outer Sleeve during the installation.

Tool WT203 has a single hexagonal opening and will install just one Grounding Sheath Connector, GSC175. However, it can be ordered with two or three hexagonal openings. The combination tool number, WT203-08-12 specifies a tool which will install GSC175, GSC219, and GSC275. This combination tool has the same three openings that are in tools WT203, WT208, and WT212. The combination catalog number is made up of the lowest catalog number, WT203, plus the last two digits of the other two catalog numbers, WT208 and WT212.

Any combination of three small hexagonal openings will fit into one tool. Only two of the larger hexagonal sizes (WT214 and larger) can be put into one tool.

In the same way the dies in the last column can be ordered with multiple hexagonal openings. For instance, die number 21503-08-12 has three hexagonal openings that will install GSC175, GSC219, and GSC275. Only two large hexagonal openings (21514 and larger) will fit into one die.

The tools listed in the second column are all multiple-die tools. Each will install several Grounding Sheath Connectors. The dies for the air-hydraulic tool shown in the third column are supplied only as single opening dies.



Cat. No. WT200 to WT219
Straight Line Shure Stake Tools with single-hex dies
(Multiple-hex dies may be ordered. See directions at left.)

Cat. No. WT230 to WT236
Straight Line Shure Stake Tools with standard combination multiple-hex dies

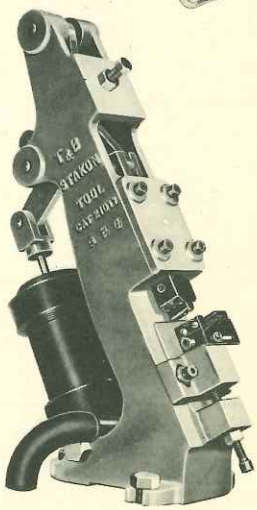
OUTER SLEEVES

Cat. No.	I. D.	Color Code	Single-Hex Straight-Line Shure Stakes Tool Cat. No.	Multiple-Hex Straight-Line Shure Stakes Tool Cat. No.	Single-Hex Dies for 11901 Air-Hydraulic Tool Die Cat. No.	Single-Hex Dies for 21016,21017 Tools Die Cat. No.
GSC 101	.101	Tin	WT219	WT231	11989	21519
GSC 128	.128	Blue	WT200	WT230	11970	21500
GSC 149	.149	Purple	WT201	WT231	11971	21501
GSC 156	.156	Yellow	WT202	WT230	11972	21502
GSC 175	.175	Blue	WT203	WT232	11973	21503
GSC 187	.187	Orange	WT206	WT232	11976	21506
GSC 194	.194	Red	WT206	WT232	11976	21506
GSC 199	.199	Tin	WT206	WT232	11976	21506
GSC 205	.205	Yellow	WT208	WT233	11978	21508
GSC 219	.219	Green	WT208	WT233	11978	21508
GSC 225	.225	Purple	WT209	WT230	11979	21509
GSC 232	.232	Orange	WT210	WT232	11980	21510
GSC 261	.261	Yellow	WT211	WT231	11981	21511
GSC 275	.275	Tin	WT212	WT233	11982	21512
GSC 281	.281	Purple	WT214*	WT234*	11984	21514
GSC 287	.287	Blue	WT214*	WT234*	11984	21514
GSC 297	.297	Green	WT214*	WT234*	11984	21514
GSC 312	.312	Yellow	WT215*	WT235*	11985	21515
GSC 327	.327	Tin	WT216*	WT234* and WT236*	11986	21516
GSC 348	.348	Orange	WT217*	WT235*	11987	21517
GSC 405	.405	Red	WT218*	WT236*	11988	21518
GSC 460	.460	Tin	Special	Special	Special	Special

* Straight Line Shure Stake Tool with long handle.

Cat. No. 11901
Air-Hydraulic Tool (Single-hex dies only)

Cat. No. 21017
Air-Powered Bench Tool with single-hex dies
(Multiple-hex dies may be ordered. See directions above.)



Ordnance 7056700 Series

To install: Cut back insulation as far as indicated. Then stake the barrel on the conductor and close the watersealing collar around the insulation, using the T&B tool listed.

Wire Size	Ordnance Piece Mark	Stud Size	Insulation Cut-Back	Installing Tool	Cat. No.
#16 Single	7728640	6	*	*	TG 40
	7728764	8	*	*	TG 64
	7728777	10	*	*	TG 77
	7728778	1/4	*	*	TG 78
	7728779	5/16	*	*	TG 79
	7728780	3/8	*	*	TG 80
#12, #14 Single	7056700	6	5/16	WT-109S	TG 0
	7056701	8	5/16	WT-109S	TG 1
	7056702	10	5/16	WT-109S	TG 2
	7056703	1/4	5/16	WT-109S	TG 3
	7056704	5/16	5/16	WT-109S	TG 4
	7056705	3/8	5/16	WT-109S	TG 5
#12, #14 Multi	7056706	6	5/16	WT-109M	TG 6
	7056707	8	5/16	WT-109M	TG 7
	7056708	10	5/16	WT-109M	TG 8
	7056709	1/4	5/16	WT-109M	TG 9
	7056710	5/16	5/16	WT-109M	TG 10
	7056711	3/8	5/16	WT-109M	TG 11
#8 Single	7056712	10	9/16	21450S†	TG 12
	7056713	1/4	9/16	21450S†	TG 13
	7056714	5/16	9/16	21450S†	TG 14
	7056715	3/8	9/16	21450S†	TG 15
#8 Multi	7056716	10	9/16	21451S†	TG 16
	7056717	1/4	9/16	21451S†	TG 17
	7056718	5/16	9/16	21451S†	TG 18
	7056719	3/8	9/16	21451S†	TG 19
#6 Single	7056720	10	5/8	21452S†	TG 20
	7056721	1/4	5/8	21452S†	TG 21
	7056722	5/16	5/8	21452S†	TG 22
	7056723	3/8	5/8	21452S†	TG 23
#6 Multi	7056724	10	9/16	21453S†	TG 24
	7056725	1/4	9/16	21453S†	TG 25
	7056726	5/16	9/16	21453S†	TG 26
	7056727	3/8	9/16	21453S†	TG 27
#2 Single	7056728	1/4	5/8	21454S†	TG 28
	7056729	5/16	5/8	21454S†	TG 29
	7056730	3/8	5/8	21454S†	TG 30
#1/0 Single	7056731	5/16	7/8	21455S†	TG 31
	7056732	3/8	7/8	21455S†	TG 32

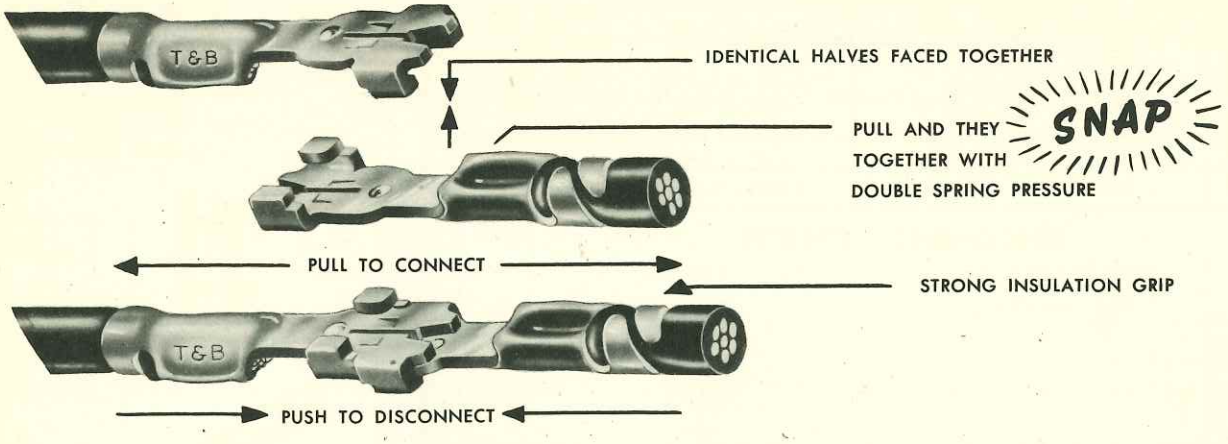
† Dies only. Install using Cat. No. 21093, 7-Ton Hydraulic Head, plus Cat. No. 21086 Hand Pump. These are not Sta-Kon Terminals, but Heavier, T&B Method Lugs, listed here for your convenience.

* Details available from our Elizabeth office.

STA-KON DISCONNECTS

T&B ENGINEERED

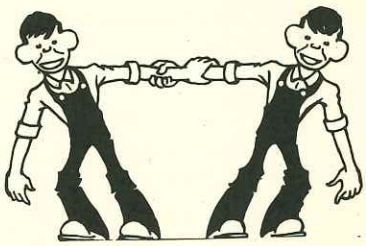
WRISTLOCK

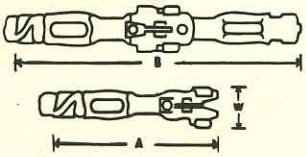


REPEATED DISCONNECTIONS WON'T AFFECT EFFICIENCY

WON'T LET GO IN LINE OF PULL

WON'T ACCIDENTALLY JACKKNIFE OR BUCKLE





Wire Size	A—Length of one	B—Length of two	W	Cat. No.
#22-#14	1.05	1.75	.25	**B23**

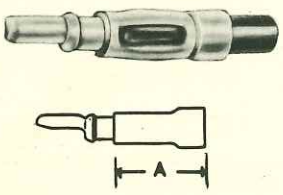
It takes two Cat. No. B23 to make one complete disconnect.

NOTE: Insulator for two B23 Wristlock Disconnects: T208W.

STRAIGHT PULL

The T&B Straight Pull Disconnect consists of two identical silver plated tips and a beryllium copper spring coupler, also silver plated. As the tips are pushed together, the tough spring coupler holds them firmly together in wide, wiping contact. A quick pull breaks the connection; a push remakes it. The connection may be made and broken innumerable times with no loss of electrical efficiency. Straight Pull Disconnect Terminals are available.

TIPS

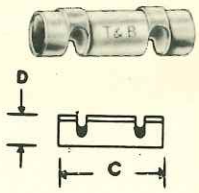


Wire Size	A	Max. Insulation Capacity	Use with Coupler No.	Cat. No.	AN No.
#22-#18	.44	.120	7	**A49**	
#16-#14	.44	.143	7	**B49**	
#12-#10	.41	no grip	8	**C49**	
#22-#18	.44	.115	7	**A50**	**AN-753-A1**
#16-#14	.44	.143	7	**B50**	**AN-753-A2**
#12-#10	.41	no grip	8	**C50**	**AN-753-A3**
Bonding Jumper 7x54 Str. of .005	.41	no grip	8	**C50B (AN-753)**	

COUPLERS

C	D—Diameter	Width	Use with Tip No.	Cat. No.
.50	.14	—	A50 or B50	**7**
.63	.23	—	C50 or C50B	**8**
.50	.14	.19	A50 or B50	**70**
.63	.24	.28	C50 or C50B	**80**
.50	.14	.38	A50 or B50	**7070**
.63	.24	.56	C50 or C50B	**8080**

7, 8



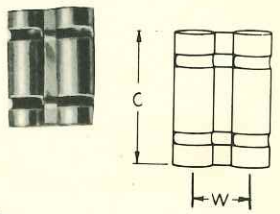
DISCONNECT SPLICES

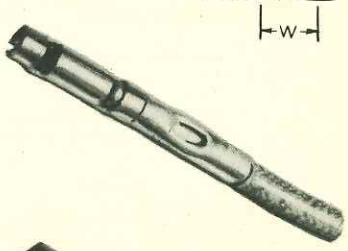
With Coupler permanently fastened to one Tip

Wire Size	Max. Insulation Capacity	Unit	Cat. No.
#22-#18	.115	Consists of one knurled A Tip and one No. 7 Coupler	**A56**
#16-#14	.143	Consists of one knurled B Tip and one No. 7 Coupler	**B56**
#12-#10	no grip	Consists of one knurled C Tip and one No. 8 Coupler	**C56**

A second Tip, A50, B50, or C50, may be ordered separately.

70, 80
70 70
80 80

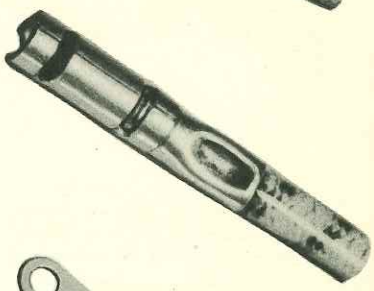




DISCONNECT SPLICES

With both Tips detachable from Coupler

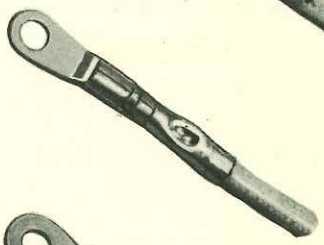
Wire Size	Max. Insulation Capacity	Unit	Cat. No.	AN No.
#22-#18	.115	Consists of two A Tips and one No. 7 Coupler	**A57**	**AN-753-1**
#16-#14	.143	Consists of two B Tips and one No. 7 Coupler	**B57**	**AN-753-2**
#12-#14	no grip	Consists of two C Tips and one No. 8 Coupler	**C58**	**AN-753-3**



DISCONNECT TERMINALS

For use where a lead must fasten to a terminal block and still be instantly disconnectable

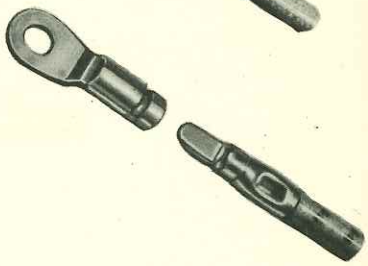
Wire Size	Stud Size	Terminal Length	Tongue Width	Cat. No.
#22-#18	4-6	1.31	.31	**A5085**
#22-#18	8-10	1.31	.31	**A5087**
#16-#14	4-6	1.31	.31	**B5085**
#16-#14	8-10	1.31	.31	**B5087**
#12-#10	8-10	1.44	.38	**C5025**



DISCONNECT TONGUES

Note that Tips may be ordered separately.

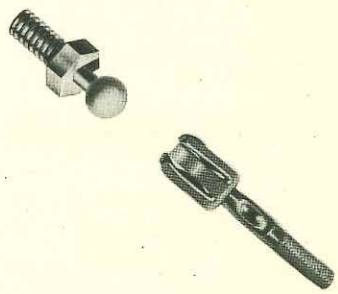
Stud Size	Terminal Length	Tongue Width	Use with Tip	Cat. No.
4-6	.87	.31	A50 or B50	**AB85**
8-10	.87	.31	A50 or B50	**AB87**
8-10	1.03	.38	C50 or C50B	**CC25**
——	.91	.24	Special	**55**



SWIVEL DISCONNECT TERMINALS

These terminals consist of two parts which may be ordered separately: a ball and stud and a six-pronged "bird cage" which snaps over the ball. The ball and stud parts will fit any "bird cage."

Ball and Stud			Bird Cage			
Thread Size	Thread Length	Cat. No.	Wire Size	Max. Ins. Cap.	Length to center of ball socket	Cat. No.
8-32	.81	23	#22-#18	.115	.78	**A156**
8-32	.50	24	#16-#14	.143	.78	**B156**
10-32	.38	26	#12-#10	no grip	.75	**C156**
			#12-#10	no grip	1.84	**C157**
			#12-#10	no grip	.75	**C158**
Self-Insulated Bird Cage			#16-#14	.143	.88	**RB1563**



USING STA-KON DISCONNECT INSERTS

T&B ENGINEERED

A few types of Sta-Kon Disconnect Tips and Couplers make endless combinations. Here are the basic parts. They are easily assembled into a custom-made solution for any disconnect problem.

TYPE 151

Press into block; hold terminal with screw.

TYPE 152

Press into block; stake wire in barrel.

TYPE 153

Press into block; rivet end over copper bussing strip.

TYPE 155

Press into block; hold terminal with nut.

TYPE 170

Press into block—a feed-through disconnect.

TYPE 154

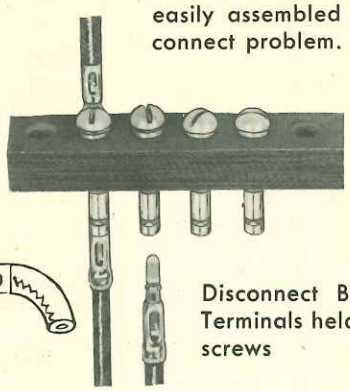
Bolt into block; put terminal under nut.

TYPE 173

Hold disconnect and terminal with 6-32 screw.

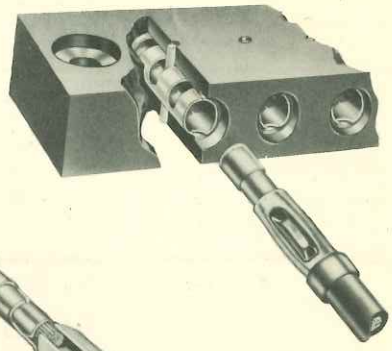
TYPE 174

Combine Type 173 and Type 172 for double-ended disconnect.

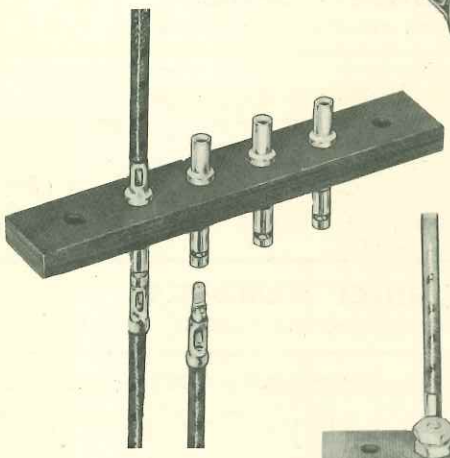


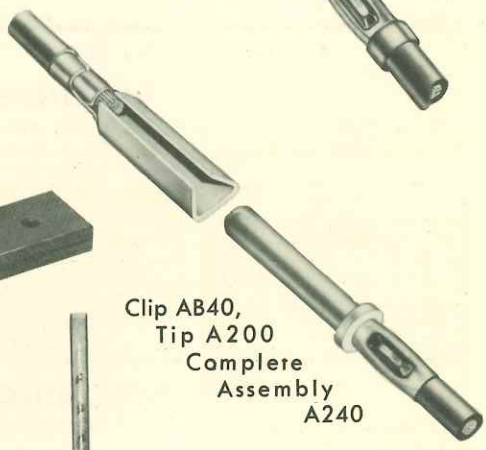
Ten Disconnect Couplers in block
Use A49 or B49 Tips

Disconnect Block Terminals held by screws

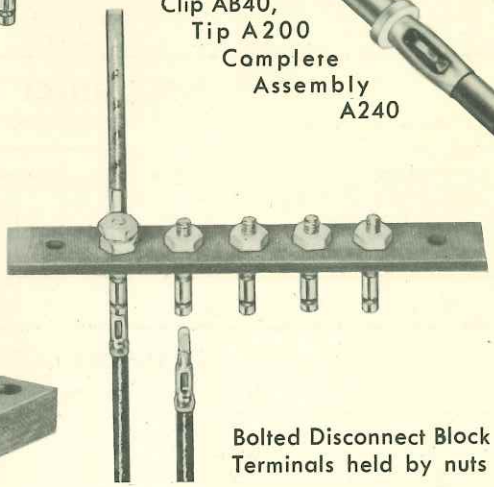


Terminal block. One side permanent, one side disconnectable

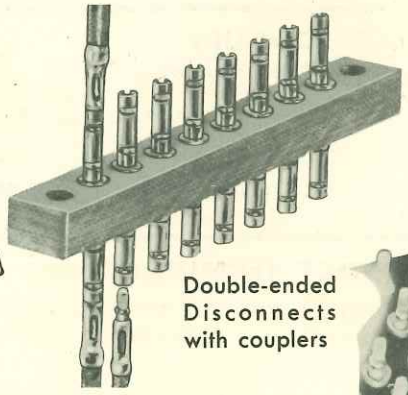




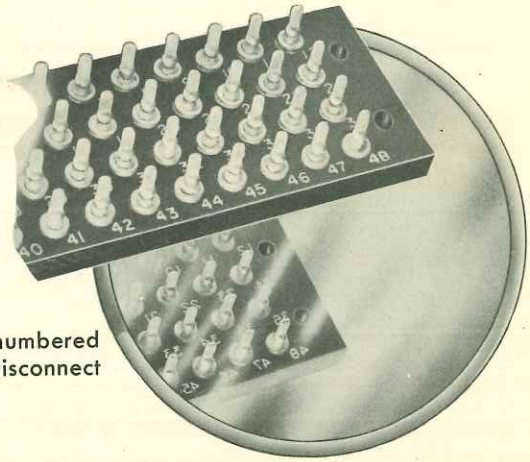
Clip AB40,
Tip A200
Complete
Assembly
A240



Bolted Disconnect Block Terminals held by nuts



Double-ended Disconnects with couplers



Panel with 48 numbered double-ended Disconnect Tips

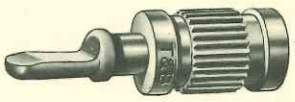
FOR PRESSING INTO BLOCKS

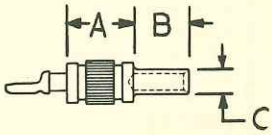
Wire Size	Dimensions A	B	C	Press Fit Hole Diam.	Coupler	Tip	Cat. No.
#22-#14	.38	.....	.....	.218	7	A50 B50	AB151
#12-#10	.38	.....	.....	.218	8	C50	C151
#22-#14	.38	.34	.31	.218	7	A50	AB152A
#22-#14	.38	.34	.31	.218	7	B50	AB152B
#12-#10	.38	.34	.38	.218	8	C50	C152C
#22-#14	.38	.09	.135	.218	7	A50 B50	AB153
#12-#10	.38	.09	.135	.218	8	C50	C153
#22-#14	.38	.38	8-32 scr.	.218	7	A50 B50	AB155
#12-#10	.38	.38	8-32 scr.	.218	8	C50	C155
#22-#14	.38	.....	.....	.218	7	A50 B50	AB170
#12-#10	.38	.....	.....	.218	8	C50	C170

FOR BOLTING INTO BLOCKS

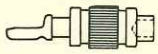
Dimensions A	B Thread	Clearance Hole	Coupler	Tip	Cat. No.
.81	8-32	.170	7	A50 B50	AB154
.81	8-32	.170	8	C50	C154
.38	6-32	.144	7	A50 B50	AB172
.38	6-32	.144	8	C50	C172
.22	6-32	.196	7	A50 B50	AB173
.22	6-32	.196	8	C50	C173

Type 151

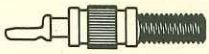




Type 152



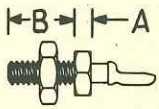
Type 153



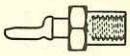
Type 155

Type 170

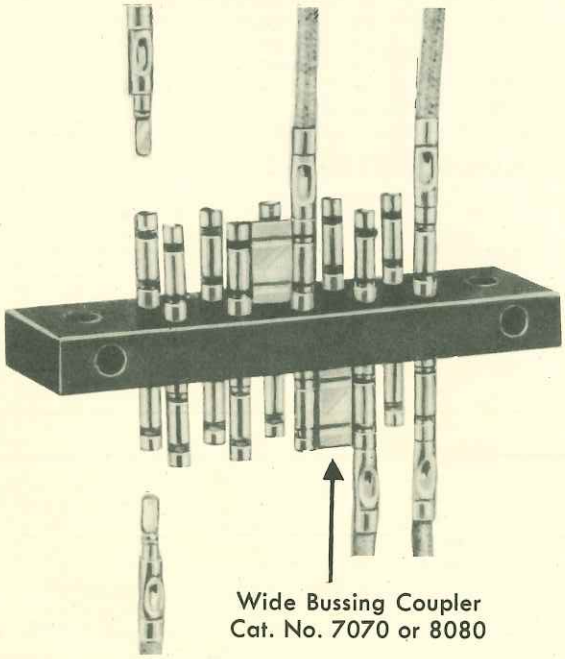
Type 154



Type 172

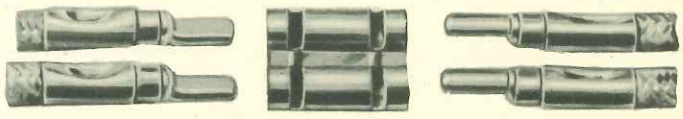


Type 173



Wide Bussing Coupler
Cat. No. 7070 or 8080

Use Cat. No. 160 Hand Tool to install wire in AB and C size Inserts.



Four-Way Disconnect Coupler
Cat. No. 70 or 80

GOVERNMENT STANDARDS and T&B EQUIVALENTS

T&B ENGINEERED

We invite inquiries for terminals made to conform to the following specifications.

Military Specification MIL-T-5042

AN Part No.	T&B Cat. No.	Page	AN Part No.	T&B Cat. No.	Page	AN Part No.	T&B Cat. No.	Page	AN Part No.	T&B Cat. No.	Page
AN-659-1	A85G	7	AN-659-11	F71	4	AN-659-21	L573	5	AN-659-31	E72	4
AN-659-2	A87G	7	AN-659-12	F73	4	AN-659-22	L575	5	AN-659-32	F72	4
AN-659-3	B85G	7	AN-659-13	G571	5	AN-659-23	M573	5	AN-659-33	G575	5
AN-659-4	B87G	7	AN-659-14	G573	5	AN-659-24	M575	5	AN-659-34	H575	5
AN-659-5	C26	4	AN-659-15	H571	5	AN-659-25	A73G	7	AN-659-35	J575	5
AN-659-6	C70	4	AN-659-16	H573	5	AN-659-26	B133G	7	AN-659-36	K575	5
AN-659-7	D36	4	AN-659-17	J571	5	AN-659-27	B73G	7			
AN-659-8	D72	4	AN-659-18	J573	5	AN-659-28	C73	4	AN-659-38	A132G	7
AN-659-9	E71	4	AN-659-19	K572	5	AN-659-29	D73	4	AN-659-39	B132G	7
AN-659-10	E73	4	AN-659-20	K573	5	AN-659-30	E26	4			

Military Specification MIL-S-6852A

AN Part No.	T&B Cat. No.	Page	AN Part No.	T&B Cat. No.	Page
AN-753-1	A57	17	AN-753-A2	B50	18
AN-753-2	B57	17	AN-753-A3	C50	18
AN-753-3	C58	17	AN-753-B1	7	19
AN-753-A1	A50	18	AN-753-B2	8	19

AN-3428 Air Force-Navy Aeronautical Standard

AN Part No.	T&B Cat. No.	Page
AN-3428-1	WT110M	26

Universal Crimping Tool—Navy BUSHIPS

Dwg. No.	T&B Cat. No.	Page
9000-S6202-73809	WT160	26

Military Standard MS25037

AN Part No.	T&B Cat. No.	Page
MS25037-1	WT145	26

Military Standard Drawing MS25036

MS Part. No.	T&B Cat. No.	Page	MS Part. No.	T&B Cat. No.	Page	MS Part. No.	T&B Cat No	Page
MS25036-1	RA333	8	MS25036-6	RB323	8	MS25036-11	RC333	8
MS25036-2	RA853	8	MS25036-7	RB853	8	MS25036-12	RC363	8
MS25036-3	RA873	8	MS25036-8	RB873	8	MS25036-13	RC703	8
MS25036-4	RA723	8	MS25036-9	RB723	8	MS25036-14	RC733	8
MS25036-5	RA733	8	MS25036-10	RB733	8			

Army Ordnance Department Drawing Numbers

Ordnance Dwg. No.	T&B Cat. No.	Page	Ordnance Dwg. No.	T&B Cat. No.	Page	Ordnance Dwg. No.	T&B Cat. No.	Page	Ordnance Dwg. No.	T&B Cat. No.	Page
A-213821	B73	3	A-213823-F	A36	30	A-217818	WT111M	26	A-261329	B36	30
A-213823-A	B36	30	A-213823-G	B133	3	A-217823	B36	30	A-300215-C	D72	4
A-213823-B	B33	30	A-213823-M	D72, E72	4, 4	A-229242-A	B36	30	A-300215-F	F71	4
A-213823-C	B77	30	A-213823-N	B73	3	A-229242-B	B71	3	A-310963	F71	4
A-213823-D	B71	3	A-213823-R	B72	3	A-229242-C	B73	3	A-310998	A77G	30
A-213823-E	A77	30	A-213823-AA	A71	3	A-261322	B73	3			

Army Ordnance Department Drawing Number DTAX-10

Ordnance Dwg. No.	T&B Cat. No.	Page	Ordnance Dwg. No.	T&B Cat. No.	Page	Ordnance Dwg. No.	T&B Cat. No.	Page	Ordnance Dwg. No.	T&B Cat. No.	Page
506201	A33G	30	506208	B36G	30	506215	C71	4	506222	E72	4
506202	A77G	30	506209	B71G	7	506216	C72	4	506223	E73	4
506203	A36G	30	506210	B72G	7	506217	C73	4	506232	A33	30
506204	A71G	7	506211	B73G	7	506218	D26	4	507094	F26	4
506205	B133G	7	506212	C33	4	506219	D71	4	508386	B34	3
506206	B33G	30	506213	C77	4	506220	E26	4			
506207	B77G	30	506214	C26	4	506221	E71	4			

Army Ordnance Part Numbers

Ordnance Part No.	T&B Cat. No.	Page	Ordnance Part No.	T&B Cat. No.	Page
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7056751	TH51	30	7528553	TH53	30
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G17-T-4737-100	A405	10
G17-T-4737-130	A428	10
G17-T-4737-135	A430	10
G17-T-4737-160	A436	10
G17-T-4737-180	A443	10
G17-T-4737-185	A446	10
G17-T-4737-190	A447	10
G17-T-4737-250	B405	10
G17-T-4737-275	B415	10
G17-T-4737-280	B416	10
G17-T-4737-285	B417	10
G17-T-4737-295	B428	10
G17-T-4737-300	B430	10
G17-T-4737-325	B436	10
G17-T-4737-345	B443	10
G17-T-4737-350	B446	10
G17-T-4737-355	B447	10
G17-T-4737-500	AG405	11
G17-T-4737-530	AG428	11
G17-T-4737-535	AG430	11
G17-T-4737-580	AG443	11
G17-T-4737-585	AG446	11
G17-T-4737-590	AG447	11
G17-T-4737-650	BG405	11
G17-T-4737-675	BG415	11
G17-T-4737-680	BG416	12
G17-T-4737-685	BG417	12
G17-T-4737-695	BG428	12
G17-T-4737-700	BG430	12
G17-T-4737-725	BG436	12
G17-T-4737-745	BG443	12
G17-T-4737-750	BG446	12
G17-T-4737-755	BG447	12
G17-T-26576-7405	A465	10
G17-T-26576-7415	AG465	11
G17-T-26576-7475	A466	10
G17-T-26576-7480	AG466	11
G17-T-26576-7620	A467	10
G17-T-26576-7625	AG467	11
G17-T-26577-1623	A449	10
G17-T-26577-1633	AG449	11
G17-T-26577-2107	A458	10
G17-T-26577-2117	AG458	11
G17-T-26577-2288	A457	10
G17-T-26577-2298	AG457	11
G17-T-26577-2468	AG459	11
G17-T-26577-2478	A459	10
G17-T-26577-2503	A454	10
G17-T-26577-2508	A453	10
G17-T-26577-2513	AG454	11
G17-T-26577-2523	AG453	11
G17-T-26577-2528	A456	10
G17-T-26577-2538	AG456	11
G17-T-26577-3218	A461	10
G17-T-26577-3228	AG461	11
G17-T-26577-3253	A452	10
G17-T-26577-3263	AG452	11
G17-T-26577-3943	A463	10
G17-T-26577-3953	AG463	11
G17-T-26577-4463	A464	10
G17-T-26577-4472	AG464	11
G17-T-26579-5115	A455	10
G17-T-26579-5129	AG455	11
G17-T-26640-4780	B465	10
G17-T-26640-4790	BG465	12
G17-T-26640-4900	B466	10
G17-T-26640-4910	BG466	12
G17-T-26640-5090	B467	10
G17-T-26640-6015	BG467	12
G17-T-26641-3214	B458	10
G17-T-26641-3229	BG458	12
G17-T-26641-3640	B457	10
G17-T-26641-3655	BG457	12
G17-T-26641-4007	B459	10
G17-T-26641-4009	BG459	12
G17-T-26641-4218	B454	10
G17-T-26641-4235	B453	10
G17-T-26641-4263	BG454	12
G17-T-26641-4268	B456	10
G17-T-26641-4273	BG453	12
G17-T-26641-4283	BG456	12
G17-T-26641-5639	B461	10
G17-T-26641-5649	BG461	12
G17-T-26641-5833	B421	10
G17-T-26641-5858	B452	10
G17-T-26641-5868	BG452	12
G17-T-26641-7026	B463	10
G17-T-26641-7036	BG463	12
G17-T-26641-7801	B464	10
G17-T-26641-7811	BG464	12
G17-T-26641-7840	B451	10
G17-T-26641-7850	BG451	12
G17-T-26641-8310	B450	10
G17-T-26641-8320	BG450	12
G17-T-26645-9274	B455	10
G17-T-26645-9284	BG455	12
G17-T-26698-5310	C465	11
G17-T-26698-5322	CG465	12
G17-T-26698-5369	C466	11
G17-T-26698-5372	CG466	12
G17-T-26698-5444	C467	11
G17-T-26698-5454	CG467	12
G17-T-26698-8141	C449	11
G17-T-26698-8151	CG449	12
G17-T-26698-8620	C458	11
G17-T-26698-8635	CG458	12
G17-T-26698-8749	C457	11
G17-T-26698-8759	CG457	12
G17-T-26698-8780	C455	11
G17-T-26698-8795	CG455	12
G17-T-26698-8920	C459	11
G17-T-26698-8929	CG459	12
G17-T-26698-8965	C454	11
G17-T-26698-8975	C453	11
G17-T-26698-8990	CG454	12
G17-T-26698-8993	C456	11
G17-T-26698-8998	CG453	12
G17-T-26698-9005	CG456	12
G17-T-26698-9556	C417	11
G17-T-26698-9566	C416	11
G17-T-26698-9581	C415	11
G17-T-26698-9591	C461	11
G17-T-26698-9606	CG417	12
G17-T-26698-9616	CG416	12
G17-T-26698-9626	CG415	12
G17-T-26698-9636	CG461	12
G17-T-26698-9666	C452	11
G17-T-26698-9681	CG452	12
G17-T-26699-1231	C463	11
G17-T-26699-1251	CG463	12
G17-T-26699-1665	C464	11
G17-T-26699-1685	CG464	12
G17-T-26699-1710	C451	11
G17-T-26699-1720	CG451	12
G17-T-26699-1970	C450	11
G17-T-26699-1985	CG450	12
G17-T-26700-8780	C455	11
G17-T-26700-7895	CG455	12
G17-T-26701-1384	C443	11
G17-T-26701-1404	CG443	12

Army Ordnance Department

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7056702	TG2	17
7056703	TG3	17
7056704	TG4	17
7056705	TG5	17
7056706	TG6	17
7056707	TG7	17
7056708	TG8	17
7056709	TG9	17
7056710	TG10	17
7056711	TG11	17
7056712	TG12	17
7056713	TG13	17
7056714	TG14	17
7056715	TG15	17
7056716	TG16	17
7056717	TG17	17
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7056721	TG21	17
7056722	TG22	17
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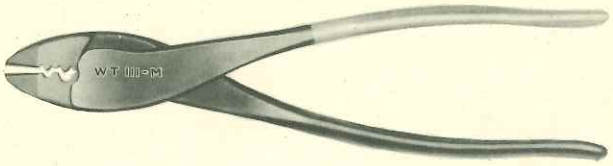
7056724	TG24	17
7056725	TG25	17
7056726	TG26	17
7056727	TG27	17
7056728	TG28	17
7056729	TG29	17
7056730	TG30	17
7056731	TG31	17
7056732	TG32	17
7355520	TG33	17
7728640	TG40	17
7728764	TG64	17
7728777	TG77	17
7728778	TG78	17
7728779	TG79	17
7728780	TG80	17
7992775	TG75	17

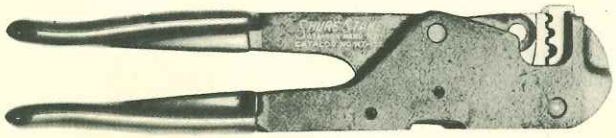
STA-KON TOOLS

T&B ENGINEERED



PLIER TYPE TOOLS

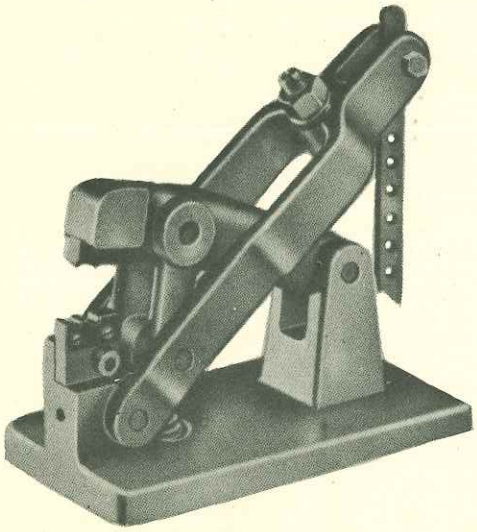
Tools of the plier type are trim, convenient devices for installing A, B, and C sizes of Sta-Kon Terminals. Their wide variety makes it possible to install any kind of small Sta-Kon Terminal by hand.



THE SHURE STAKE TOOL

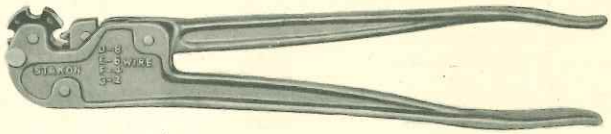
perfect installations . . . easily

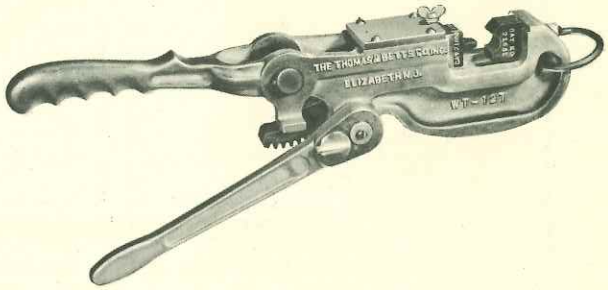
Built into the Shure Stake Tool is a ratchet and pawl device which holds the terminal until the compression has been completed. Perfection is automatic. The terminal cannot be removed from the tool until the staking is finished. Because it works on the toggle principle, like a rock crusher, the tool produces great staking power with little hand pressure. It is an ideal tool for A, B, and C size terminals.



FOOT-POWER BENCH TOOL

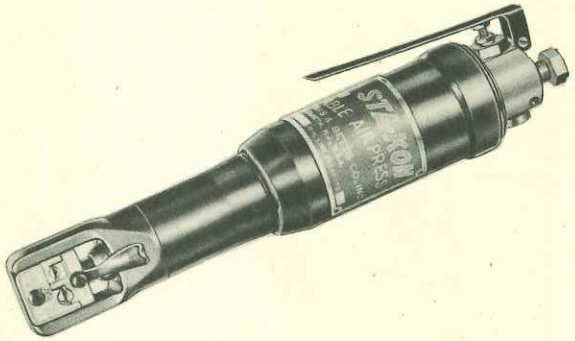
The 21016 Foot-Power Tool is the ideal way to get bench tool production speed at low cost. Its various dies mean utmost versatility in installing the smallest size terminals.





TOGGLE TOOLS

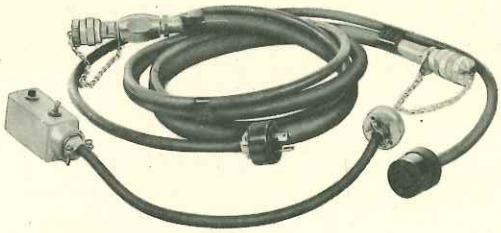
Toggle Tools come in two types: the straight handle type shown above and the ratchet type shown below. The straight handle type is for the middle range of terminals, D, E, F, and G. The aluminum ratchet tool, with its quadrant gear and great power, is made to install the largest Sta-Kon Terminals, G through M sizes.

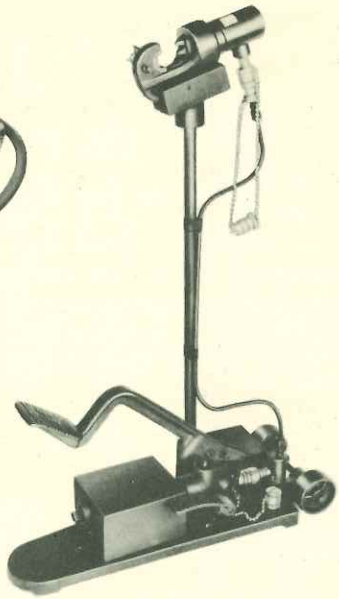


THE 100-TO-1 TOOL

hydraulic power . . . in the hand

The 100-To-1 Tool is unique. It has the great power of a hydraulic tool, the effortless operation of compressed air power; yet it is small enough and light enough (40 ounces) to be hand held. Its slim and compact form develops 100 pounds' pressure for every ounce of its weight. With its interchangeable dies it will install A, B, and C sizes of single stake or double stake terminals, insulation grip or non-grip terminals, self-insulated or bare terminals, and even Grounding Sheath Connectors. It is especially suitable for day-long production on wiring harnesses or anywhere that the tool must be brought to the work. It uses shop air pressure, hand or foot triggering, open or closed die yoke.





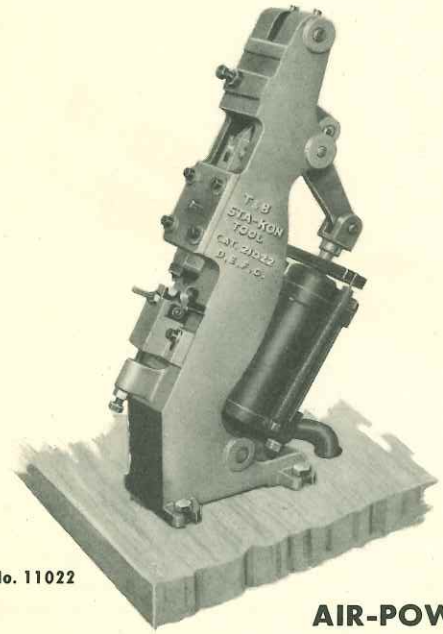
ELECTRIC HYDRAULIC PUMP

Remote controlled, electric motor-driven pump furnishes effortless hydraulic power for all T&B installing heads, seven-ton to forty-ton. Controlled hydraulic pressure of 10,000 pounds per square inch is available at the flick of a switch. With 11015 or 11016 seven-ton head, it is suitable for the production installation of G to M Sta-Kon Terminals.

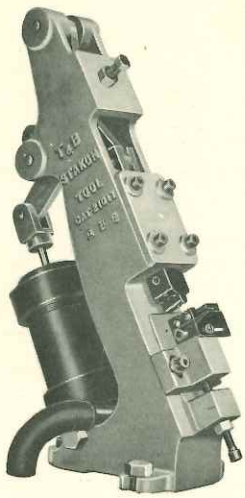
PORTABLE HYDRAULIC ASSEMBLIES

hydraulic power . . . on wheels

The Cat. No. 11030 Sta-Kon Assembly is a whole seven-ton hydraulic system—foot pump, hose, and head—mounted on a convenient, portable stand. It is self-contained, independent, and can be wheeled anywhere in the shop. It will install all the large size insulated Sta-Kon Terminals from D size through M. Uninsulated G through M terminals are part of its regular production installations. Foot-operated, it leaves the operator's hands free to handle the terminal and the cable. Cat. No. 11029 is the same tool adapted for Flag Type terminals.



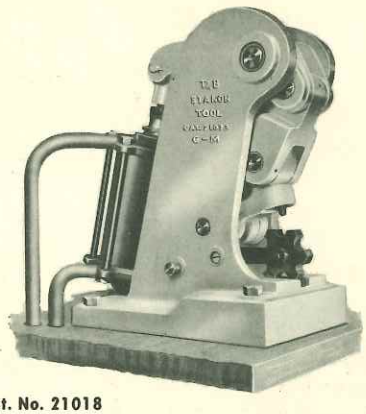
Cat. No. 11022



Cat. No. 21017

AIR-POWERED BENCH TOOLS

These tools are heavy duty, high speed production machines. They operate on standard shop air pressures of 60 to 125 psi. With its various dies, each tool will install several sizes and types of terminals. Taken as a whole these air-powered bench tools will install all standard Sta-Kon Terminals, insulated or uninsulated, A size through M.



Cat. No. 21018

T&B *Tool Manual* gives complete information about parts and maintenance of all T&B Tools.

STA-KON TOOL CHART

T&B ENGINEERED

KIND OF TERMINAL	STAKE	SIZE	HAND TOOLS: PLIER TYPE TOOL CAT. NO.	HAND TOOLS: SHURE STAKE TOOL CAT. NO.	HAND TOOLS: TOGGLE TYPE TOOL CAT. NO.
RING	SINGLE	A, B, C	WT111M and WT160	WT131	WT115*
	SINGLE	D, E, F		WT172 (D only)	WT127G-M
	SINGLE	G-M			
RING	DOUBLE	A, B		WT130, WT174	
	DOUBLE	B, C		WT130, WT175	
	DOUBLE	D, E, F			WT149*
INSULATION GRIP	SINGLE	AG, BG, CG	WT110M and WT160	WT135	
FLAG	SINGLE	AB, C	WT119		
	SINGLE	D, E, F, G			WT129*
	SINGLE	G-M			WT127&21657
FLAG	DOUBLE	AB		WT175	
	DOUBLE	C		WT174	
	DOUBLE	D, E, F, G			WT169*
INSULATED WIRE JOINTS		RB4	WT105M	WT132	
		RC6	WT105M	WT133	
LARGE SIZE SELF-INSULATED		RD-RF			WT118*

* Use WT116 Adapter for bench mounting.

STA-KON TOOL CHART

T&B ENGINEERED

KIND OF TERMINAL	STAKE	SIZE	HAND TOOLS: PLIER TYPE TOOL CAT. NO.	HAND TOOLS: SHURE STAKE TOOL CAT. NO.
SELF-INSULATED INSULATION GRIP		RA, RB, RC		WT145
INSULATED TWO-WAY		RA, RB, RC	WT105M	
PIGTAIL	SINGLE	PT60, PT70	WT111M	
STA-KON JUNIOR	DOUBLE	V, W		WT134
HEATER WIRE		NW20, NW50 NW80	WT102	WT137 WT137
RAILWAY SIGNAL	SINGLE	SIG14B	WT103	WT139
		SIG9C	WT103	WT140
	SINGLE	A150-152	WT165	
GROUNDING SHEATH CONNECTORS	HEX	GSC Series		WT230 series (see p. 16

T&B Navy Tool, Cat. No. **WT160,** is a plier type universal tool for installing WT and WTG Terminals and all terminals which can be installed with WT110M and WT111M tools.

SIZE GUIDE

TERMINAL SIZE	AWG WIRE RANGE	WIRE DIAMETER
A	22-18	.025-.052
AB	18-14	.025-.080
B	16-14	.032-.080
C	12-10	.051-.125
D	9-7	.123-.175
E	6-5	.169-.222
F	4-3	:219-.280

SIZE GUIDE

TERMINAL SIZE	AWG WIRE RANGE	WIRE DIAMETER
G2	2	.267-297
G	1	.298-355
H	1/0	.351-.390
J	2/0	.379-.440
K	3/0	.431-.500
L	4/0	.491-.557
M	250 MCM	.549-.622

STA-KON TOOL CHART

T&B ENGINEERED

KIND OF TERMINAL	STAKE	SIZE	PRODUCTION TOOLS									
			FOOT-POWERED		AIR-POWERED		AIR-POWERED		AIR-POWERED		AIR-HYDRAULIC 100-TO-1 TOOL		HYDRAULIC	
			CAT. NO. 21016 TOOL ONLY		CAT. NO. 21017 TOOL ONLY		CAT. NO. 21022 TOOL ONLY		CAT. NO. 21018 TOOL ONLY		CAT. NO. 11901 TOOL ONLY		Cat. No. 11029, 11030 Assembly Without Die	
			Cat. No. Tool & Die	Cat. No. Die only	Cat. No. Tool & Die	Cat. No. Die only	Cat. No. Tool & Die	Cat. No. Die only	Cat. No. Tool & Die	Cat. No. Die only	Cat. No. Tool & Die	Cat. No. Die only	Cat. No. Tool & Die	Cat. No. Die only
RING	SINGLE	A, B, C	21060	21637	21070	21637	21687	21637*			11931	11950		
	SINGLE	D, E, F												21064
	SINGLE	D, E, F, G					21072	21640	21073	21628			11031	21019
	SINGLE	G-M							21073	21628			11031	21019
RING	DOUBLE	A, B, C	21676	21625	21677	21625	21725	21625*			11933	11951		
	DOUBLE	D, E, F, G					21697	21631					11039	11050
	DOUBLE	G-M							21699	21629			11038	21013
INSULATION GRIP	SINGLE	A, B	21060G	21638	21070G	21638	21688	21638*			11939	11954		
	SINGLE	C			21682	21633	21694	21633*			11939	11954		
INSULATION GRIP	DOUBLE	A, B, C			21695	21632	21696	21632*			11941	11955		
FLAG	SINGLE	AB, C	21060	21637	21070	21637	21687	21637*						
	SINGLE	D, E, F, G				21031	21689	21031						
	SINGLE	J, K, M								21626				
	SINGLE	G-M											11032	11065
FLAG	DOUBLE	AB, C	21676	21625	21677	21625	21725	21625*						
	DOUBLE	D, E, F, G					21698	21630						
	DOUBLE	G-M							21727	21627			11037	11049
INSULATED WIRE JOINTS		RB4, RC6	21681	21038	21685	21038	21730	21038*			11937	11953		
SELF-INSULATED INSULATION GRIP		RA, RB, RC	21678	21634	21728	21634	21729	21634*			11935	11952		
LARGE SIZE SELF-INSULATED		RD-RF					21675	11084					11033	11051
		RG-RM							21726	11085			11034	11056
INSULATED TWO-WAY		RA, RB, RC	21681	21038	21685	21038	21730	21038*						
STA-KON JUNIOR	DOUBLE	V, W	21679	21034M	21686	21034M								

* Requires 21639 Adapter Block.

STA-KON TERMINAL AND WIRE CHART

T&B ENGINEERED

Use Sta-Kon Cat. Nos. Beginning	AWG. No.[1]	Air Force–Navy Aircraft[2]	Navy Shipboard[3]	Individual Strands No.	Individual Strands Diam. Inches	Whole Conductor Cir. Mil Area	Whole Conductor Diam. Inches
A	22		3/5 (1)	1	.025	642	.025
AB	22		3/5 (7)	7	.010	703	.030
		AN-22		7	*	704	.032
			½ (21)	21	.005	525	.028
	20		1 (1)	1	.032	1,022	.032
	20			7	.012	1,024	.036
A	20			10	.010	1,005	.040
AB	20			19	.007	1,022	.037
	20			26	.006	1,034	.039
		AN-20		7	*	1,119	.040
			1 (7)	7	.013	1,119	.038
			1 (10)	10	.010	1,005	.038
			1 (26)	26	.006	1,034	.042
	18		1½ (1)	1	.040	1,624	.040
A	18		1½ (7)	7	.016	1,624	.049
AB	18		1½ (16)	16	.010	1,608	.049
	18			19	.009	1,624	.046
	18		1½ (41)	41	.006	1,630	.049
		AN-18	2 (7)	7	.016	1,779	.048
	16		2½ (1)	1	.051	2,583	.051
AB	16			7	.019	2,583	.058
B	16			19	.012	2,601	.058
	16			26	.010	2,613	.059
	16			65	.006	2,580	.058
		AN-16	2½ (19)	19	.011	2,407	.061
			2½ (26)	26	.010	2,613	.061
AB	14			1	.064	4,107	.064
B	14			7	.024	4,107	.073
	14			19	.015	4,107	.074
	14			37	.011	4,107	.074
C	14			14	.009	4,157	.083
	14			104	.006	4,128	.074
AB		AN-14		19	*	3,830	.076
B			3 (7)	7	.020	2,828	.060
			3 (19)	19	.013	3,036	.063
			4 (1)	1	.064	4,107	.064
			4 (7)	7	.025	4,497	.076
			4 (19)	19	.014	3,828	.072
			4 (41)	41	.010	4,121	.077

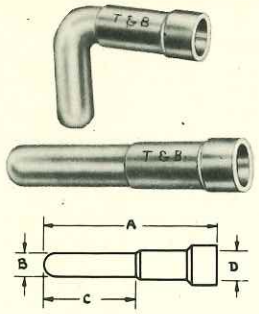
Use Sta-Kon Cat. Nos. Beginning	AWG. No.[1]	Air Force–Navy Aircraft[2]	Navy Shipboard[3]	Individual Strands No.	Individual Strands Diam. Inches	Whole Conductor Cir. Mil Area	Whole Conductor Diam. Inches
	12			1	.081	6,530	.081
	12			7	.031	6,530	.092
	12			19	.019	6,530	.093
	12			37	.013	6,530	.093
C	12			49	.012	6,593	.104
	12			65	.010	6,533	.093
	12			104	.008	6,574	.094
	12			165	.006	6,559	.095
		AN-12	6 (19)	19	.018	6,088	.096
			6 (7)	7	.031	6,512	.092
			6 (65)	65	.010	6,533	.097
	10			1	.102	10,380	.102
	10			7	.039	10,380	.116
C	10			19	.023	10,380	.117
	10			37	.017	10,443	.117
D	10			49	.015	10,445	.131
	10			104	.010	10,452	.116
		AN-10		37	*	10,380	.117
C			9 (7)	7	.036	9,016	.108
			9 (37)	37	.016	9,402	.109
			9 (90)	90	.010	9,045	.120
	9			7	.043	13,090	.130
			14 (7)	7	.045	14,340	.136
	8			7	.049	16,510	.146
D	8			19	.030	16,510	.148
	8			37	.021	16,510	.148
	8			49	.018	16,586	.166
	7			1	.144	20,820	.144
		AN-8		133	.011	16,864	.167
			14 (7)	7	.045	14,340	.136
			14 (140)	140	.010	14,070	.145
			17 (33)	33	.011	16,824	.169
	6			7	.061	26,250	.184
	6			19	.037	26,250	.186
E	6			37	.027	26,250	.186
	6			49	.023	26,146	.208
	6	AN-6		133	.014	26,813	.218
F	6			661	.006	26,274	.259
	5			1	.181	33,100	.181
			20 (49)	7X7	.020	19,800	.180
			23 (7)	7	.057	22,800	.171
E			23 (228)	19X12	.010	22,190	.190
			26 (49)	7X7	.023	26,250	.210
			27 (133)	133	.014	26,800	.213

[1] Commercial Wire Tables.
[2] MIL-W-5086
[3] MIL-E-16366 B
* Strand diameter not specified.

Use Sta-Kon Cat. Nos. Beginning	AWG. No.[1]	Air Force—Navy Aircraft[2]	Navy Shipboard[3]	Individual Strands: No.	Individual Strands: Diam. Inches	Whole Conductor: Cir. Mil Area	Whole Conductor: Diam. Inches
F	4	AN-4		7	.077	41,740	.232
	4			19	.047	41,740	.235
	4			37	.034	41,740	.235
	4			49	.029	41,780	.263
	4			133	.018	41,670	.266
	3			1	.229	52,630	.229
				133	*	42,613	.272
			30 (304)	19X16	.010	30,550	.220
			33 (336)	7X48	.010	33,370	.235
			40 (19)	19	.045	38,910	.226
			42 (49)	7X7	.029	41,740	.260
			42 (209)	19X11	.014	42,110	.260
			50 (19)	19	.051	49,080	.254
G2	2			7	.097	66,370	.292
	2			19	.059	66,370	.296
	2			37	.042	66,370	.297
G	2			49	.037	66,356	.331
	2			133	.022	66,140	.335
		AN-2		663	*	66,832	.345
			53 (532)	19X28	.010	53,470	.304
G2			60 (37)	37	.040	60,090	.282
G1			60 (304)	19X16	.014	61,260	.310
			66 (133)	19X7	.022	66,370	.330
			75 (37)	37	.045	75,780	.317
	1			7	.109	83,690	.328
	1			19	.066	83,690	.332
	1			37	.048	83,690	.333
	1			61	.037	83,690	.333
H	1			133	.025	83,690	.377
	1			259	.018	83,916	.378
		AN-1		812	*	81,807	.384
			83 (418)	19X22	.014	84,230	.380
J			84 (2107)	2107	*	83,690	.410
H	1/0			7	.123	105,500	.368
	1/0			19	.075	105,500	.373
	1/0			37	.053	105,500	.374
	1/0			61	.042	105,500	.374
J	1/0			133	.028	105,761	.423
	1/0			259	.020	105,672	.424
		AN-0		1033	*	104,118	.432
H			100 (61)	61	.040	99,060	.363
J			105 (259)	37X7	*	105,500	.410
K			105 (2646)	2646	*	105,500	.460
J	2/0			7	.138	133,100	.414
	2/0			19	.084	133,100	.419
	2/0			37	.060	133,100	.420
	2/0			61	.047	133,100	.420
K	2/0			133	.032	132,800	.474
	2/0			259	.023	133,462	.477
		AN-00		1327	*	133,665	.490
J			125 (61)	61	.045	124,900	.407
K			133 (259)	37X7	*	133,100	.460
			133 (684)	19X36	.014	137,800	.480
L			133 (3325)	3325	*	133,100	.520
K			150 (61)	61	.051	157,600	.457
	3/0			7	.155	167,800	.464
	3/0			19	.094	167,800	.470
	3/0			37	.067	167,800	.471
	3/0			61	.052	167,800	.472
L	3/0			133	.036	167,607	.533
	3/0			259	.026	167,402	.536
M	3/0			4227	.006	168,023	.610
L			150 (760)	19X40	.014	153,100	.510
			168 (427)	61X7	*	167,800	.520
	4/0			7	.174	211,600	.522
	4/0			19	.106	211,600	.528
	4/0			37	.076	211,600	.529
	4/0			61	.059	211,600	.530
M	4/0			133	.040	211,736	.599
	4/0			259	.029	211,845	.601
L		AN-000		1661	*	167,332	.548
			200 (61)	61	.057	198,700	.514
M			200 (988)	19X52	.014	199,100	.580
M	250,000			19	.115	250,000	.574
	250,000			37	.082	250,000	.575
	250,000			61	.064	250,000	.576
	250,000			91	.052	250,000	.576
		AN-0000		2104	*	211,954	.615
			220 (259)	37X7	.029	220,700	.610
			250 (61)	61	.064	250,500	.577

[1] Commercial Wire Tables.
[2] MIL-W-5086
[3] MIL-E-16366 B
* Strand diameter not specified.

TERMINALS—TABLES

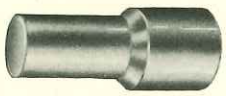


Install with WT160 Hand Tool.

Navy Pin Terminals

Wire Range	Type	A	B min.	C	D max.	Cat. No.
Navy 2½ - 4	Straight	.75	.14	.28	.13	**BG504**
	*Straight	1.06	.14	.60	.13	**BG507**
	30° Angle	.84	.14	.28	.13	**BG506**
	90° Angle	.68	.14	.28	.13	**BG505**
	*90° Angle	.68	.14	.60	.13	**BG508**
Navy 6 - 9	*Straight	1.88	.14	1.13	.19	**CG507**
	*90° Angle	1.02	.14	.88	.19	**CG508**

*Square end pin.



Install TH50 and TH53 with WT109M Hand Tool. For TH51 use die 21451S, and for TH52 use die 21452S in 21093 Hydraulic Tool.

Ordnance Thimble Cable Ends

Wire Range	Ordnance Part No.	A	B	C	D	Cat. No.
#12, #14 multi	7056750	.63	.18	.34	.17	**TH50**
#8 multi	7056751	.97	.28	.63	.25	**TH51**
#6 multi	7056752	1.06	.35	.66	.35	**TH52**
#20	7056753	.63	.18	.34	.10	**TH53**

Multiple Conductors in Single Terminals

WIRE COMBINATIONS

which may be installed satisfactorily in B and C size terminals and in RB and RC size Self-Insulated Insulation Grip Terminals. The resulting connection is noise-free.

Terminal Size	Two-Wire Combinations	Two-Wire Combinations	Two-Wire Combinations
Uninsulated B	#22 and #22 #22 and #20 #22 and #18 #22 and #16	#20 and #20 #20 and #18 #20 and #16	#18 and #18 #18 and #16
Uninsulated C	#22 and #12 #22 and #14	#20 and #14 #18 and #14	#16 and #16 #16 and #14
Insulated RB	#22 and #22 #22 and #20	#20 and #20	
Insulated RC	#22 and #18 #22 and #16	#20 and #18 #20 and #16 #20 and #14	#18 and #18 #18 and #16 #16 and #16

Obsolete Catalog Numbers

Through successive manufacturing improvements and through alterations in the dimensions to conform to military standards, certain Sta-Kon Terminals have grown more and more alike. Now the differences are almost imperceptible. To eliminate confusion we have made obsolete the duplicate catalog numbers. The replacement terminals will hold the same wires and fit into the same spaces as the obsolete terminals.

Obsolete Cat. No.	Replacement Cat. No.	Obsolete Cat. No.	Replacement Cat. No.	Obsolete Cat. No.	Replacement Cat. No.	Obsolete Cat. No.	Replacement Cat. No.
A33	**A85**	A33G	**A85G**	B25	**B34**	B25G	**B34G**
A84	**A85**	A84G	**A85G**	B33	**B85**	B33G	**B85G**
A36	**A87**	A36G	**A87G**	B36	**B87**	B36G	**B87G**
A77	**A86**	A77G	**A86G**	B76	**B86**	B76G	**B86G**
C76	**C26**	—	—	B77	**B86**	B77G	**B86G**

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A 33G	30
A 36	30
A 36G	30
A 49	18
A 50	18
A 56	19
A 57	19
A 71	3
A 71G	7
A 72	3
A 72G	7
A 73	3
A 73G	7
A 74	3
A 74G	7
A 75	3
A 75G	7
A 77	30
A 77G	30
A 84	30
A 84G	30
A 85	3
A 85G	7
A 86	3
A 86G	7
A 87	3
A 87G	7
A 88	3
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A 93	3
A 94	3
A 122	3
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A 124G	7
A 126	3
A 126G	7
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A 177	3
A 178	3
A 200	20
A 240	20
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A 430	10
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A 470	10
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AA 2	11
AB 40	20
AB 51	6
AB 52	6
AB 53	6
AB 85	19
AB 87	19
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AB 152A	21
AB 152B	21
AB 153	21
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AG 467	11
AG 468	11
AG 470	11
B 11	3
B 20	3
B 20G	7
B 21	3
B 21G	7
B 23	18
B 25	30
B 25G	30
B 33	30
B 33G	30
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B 34G	7
B 36	30
B 36G	30
B 49	18
B 50	18
B 56	19
B 57	19
B 71	3
B 71G	7
B 72	3
B 72G	7
B 73	3
B 73G	7
B 74	3
B 74G	7
B 75	3
B 75G	7
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B 76G	30
B 77	30
B 77G	30
B 85	3
B 85G	7
B 86	3
B 86G	7
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B 94G	7
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B 122G	7
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B 123G	7
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C 158	19
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G 436	13
G 471	13
G 472	13
G 473	13
G 474	13
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G 483	13
G 484	13
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G 575	5
G 671	6
G 672	6
G 673	6
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For information about replacements for Obsolete Catalog Numbers, see page 30.

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GSC 348	15
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DECIMAL EQUIVALENTS

1/64 .015625	17/64 .265625	33/64 .515625	49/64 .765625
1/32 .03125	9/32 .28125	17/32 .53125	25/32 .78125
3/64 .046875	19/64 .296875	35/64 .546875	51/64 .796875
1/16 .0625	5/16 .3125	9/16 .5625	13/16 .8125
5/64 .078125	21/64 .328125	37/64 .578125	53/64 .828125
3/32 .09375	11/32 .34375	19/32 .59375	27/32 .84375
7/64 .109375	23/64 .359375	39/64 .609375	55/64 .859375
1/8 .125	3/8 .375	5/8 .625	7/8 .875
9/64 .140625	25/64 .390625	41/64 .640625	57/64 .890625
5/32 .15625	13/32 .40625	21/32 .65625	29/32 .90625
11/64 .171875	27/64 .421875	43/64 .671875	59/64 .921875
3/16 .1875	7/16 .4375	11/16 .6875	15/16 .9375
13/64 .203125	29/64 .453125	45/64 .703125	61/64 .953125
7/32 .21875	15/32 .46875	23/32 .71875	31/32 .96875
15/64 .234375	31/64 .484375	47/64 .734375	63/64 .984375
1/4 .25	1/2 .5	3/4 .75	1 1.

STUD SIZE AND CLEARANCE HOLE CHART

Stud Size	*Stud Diameter*	*Clearance Hole Diameter*
4	.112	.116-.122
6	.138	.142-.152
8	.164	.169-.178
10	.190	.193-.203
12	.216	.221-.230
1/4	.250	.260-.285
5/16	.312	.320-.343
3/8	.375	.385-.410
7/16	.437	.447-.472
1/2	.500	.510-.535

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